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BULLETIN OF A. & T. COLLEGE

PUBLISHED BY
THE NEGRO
Agricultural & Technical College
of North Carolina
Formerly A. & M. College for the Colored Race



GREENSBORO, NORTH CAROLINA

Issued Quarterly

Vol. 10

JUNE, 1916

No. 2

CALENDAR 1916-1917

Entered as Second-Class Matter, July 2nd, 1909, at the Postoffice
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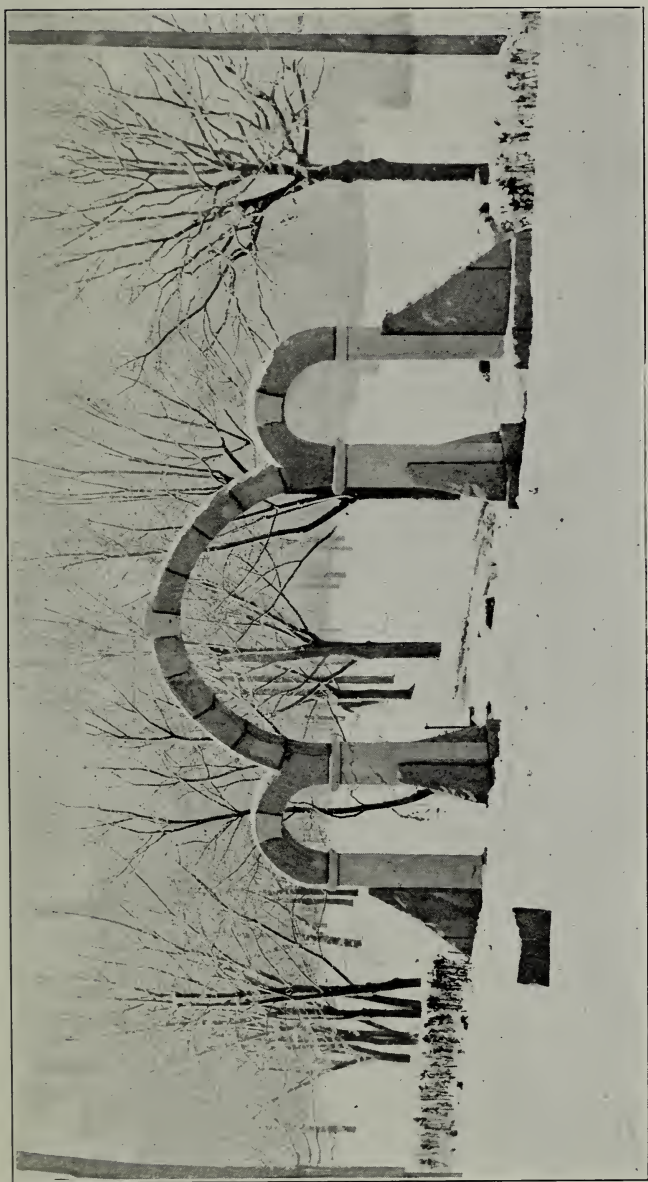
Negro Agricultural and
Technical College
of North Carolina
1916-1917

FORMERLY THE
AGRICULTURAL AND MECHANICAL COLLEGE
FOR THE COLORED RACE

GREENSBORO, NORTH CAROLINA

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ANNOUNCEMENTS

1. MEDICAL FEE.—Every student lodger must pay one dollar medical fee. There will be no further charges for medical attention; *but this fee does not include expenses for medicine, bandages or dressings.*

2. VACCINATION.—Each student will be required to be vaccinated on entrance unless he can satisfy the College physician that vaccination is unnecessary.

3. LODGING DEPOSITS.—On account of limited accommodations, students can secure rooms at once by paying one dollar for September lodging. In case of sickness or inability to attend, the one dollar will be refunded, provided application for its return is made before September 1, 1916.

4. SPECIAL EXAMINATIONS.—Entrance examinations and examination for the removal of conditions will be held September 1. All students with conditions should avail themselves of the opportunity. As special examinations are *not held* during the session, no conditions will be moved except during the examination weeks.

Each student must pay on entering all entrance fees and expenses for his first month.



ADMINISTRATION BUILDING

CALENDAR FROM JUNE 1, 1916 TO MAY 31, 1917

JUNE 1916							JULY 1916							AUGUST 1916						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30	31		
							30	31												
SEPTEMBER 1916							OCTOBER 1916							NOVEMBER 1916						
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3	4	5	6	7	8	9	1	2	3	4	5	6	7	5	6	7	8	9	10	11
10	11	12	13	14	15	16	8	9	10	11	12	13	14	12	13	14	15	16	17	18
17	18	19	20	21	22	23	15	16	17	18	19	20	21	19	20	21	22	23	24	25
24	25	26	27	28	29	30	22	23	24	25	26	27	28	26	27	28	29	30		
							29	30	31											
DECEMBER 1916							JANUARY 1917							FEBRUARY 1917						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28			
31																				
MARCH 1917							APRIL 1917							MAY 1917						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	1	2	3	4	5	6	7	6	7	8	9	10	11	12
11	12	13	14	15	16	17	8	9	10	11	12	13	14	13	14	15	16	17	18	19
18	19	20	21	22	23	24	15	16	17	18	19	20	21	20	21	22	23	24	25	26
25	26	27	28	29	30	31	22	23	24	25	26	27	28	27	28	29	30	31		

CALENDAR 1916-1917

- September 1—Entrance examinations and examinations for removal of conditions.
September 2—Registration day.
September 4—Fall Term begins
November 27-29—Fall Term examinations
November 30—Fall Term ends
December 1—Winter Term begins
February 26-28—Winter Term examinations
February 28—Winter Term ends
March 1—Spring Term begins
May 25-30—Spring Term examinations.
May 27—Baccalaureate sermon.
May 31—Commencement.
June 25—Summer School.

HOLIDAYS

- Thanksgiving Day.
Christmas Day.
New Year's Day
Washington's Birthday.
Easter Monday.

SPECIAL DAYS

- Arbor Day (day after Thanksgiving)—Special programme by Department of Agriculture and Chemistry.
Douglas' Birthday, and Lincoln's Birthday, February 12—Special programme by English Department.
Morrill's Birthday, April 14—Agricultural and Mechanic Arts Societies have special programme.

BOARD OF TRUSTEES

W. H. ALLEN	Wayne County
M. W. BELL	Cherokee County
W. E. BROOKS	Chatham County
F. W. DUNLAP	Anson County
W. A. ENLOE	Jackson County
J. I. FOUST	Guilford County
W. L. KLUTTZ	Rowan County
J. B. MINOR	Guilford County
R. W. MORPHIS	Rockingham County
M. C. S. NOBLE	Orange County
J. E. SWAIN	Buncombe County
C. M. VANSTORY	Guilford County
W. L. VAUGHAN	Beaufort County

OFFICERS OF TRUSTEE BOARD

M. C. S. NOBLE	<i>Chairman</i>
A. T. WHITSETT	<i>Secretary</i>

FACULTY AND OFFICERS

JAMES B. DUDLEY, A. M., LL. D., President and Head of the English Department. 1896.

JUNINS ROOKS, Steward, 1895.

J. H. BLUFORD, B. S., A. M., Director of the Agricultural Department and Instructor in Agriculture and Chemistry. 1902.

W. N. NELSON, A. B., Instructor in Carpentry. 1903.

MARTIN GOINS, Secretary. 1907.

A. T. WHITSETT, Treasurer. 1909.

A. D. WATKINS, Instructor in Bricklaying and Plastering. 1909.

B. W. BARNES, B. Agr., Instructor in Dairying. 1909.

S. B. JONES, B. A., M. D., Director of the Academic Department and College Physician. 1910.

C. L. FOSTER, B. S., Instructor in Blacksmithing and Wheelwrighting. 1910.

D. K. CHERRY, A. B., Instructor in Mathematics, 1911.

A. L. MEBANE, B. Agr., M. S. A., Instructor in Dairying and Animal Husbandry. 1911. Farm Superintendent, 1914.

L. P. BYARM, B. S. M., Instructor in Electricity and Drawing. 1911.

D. J. JORDAN, M. S., LL. B., Instructor in the Academic Department and in charge of the Teachers' Training Department.

E. W. FISHER, Instructor in Machine Wood-Working. 1912.

F. D. BLUFORD, A. B., Pd. B., Instructor in the Academic Department. 1912.

F. C. JOHNSON, B. S., Director of the Mechanical Department and Instructor in Higher Mathematics and Drawing. 1913.

R. L. CAMPBELL, Instructor in Machine Shop Practice and in charge of heating system. 1913.

W. H. MARKHAM, B. S., Assistant in Mechanic Arts Department. 1914.

R. L. PAGE, Instructor in Geography and U. S. History. 1914.

S. M. ROBINSON, B. S., Instructor in Poultry Husbandry. 1914.

C. B. REID, B. Agr., Instructor in Agriculture. 1914.

G. B. LOVE, B. S. M., Registrar and Bursar.

THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA

(Formerly the Agricultural & Mechanical College for the Colored Race)

This college was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The leading object of the institution is declared by the Act to be instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto.

The management and control of the college and the care and preservation of all its property is vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the Act of the Legislature, have power to prescribe rules for the management and preservation of good order and morals at the college; to elect the president, instructors, and as many other officers and servants as they shall deem necessary; have charge of the disbursements of the funds, and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the college for the payment of salaries and purchase of apparatus and equipment is derived, for the most part, from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This Act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, natural and economic sciences, with special reference to their application in the industries of life and to the facilities of such instruction."

The college also receives an appropriation from the State for general maintenance, which cannot be provided for under the laws governing the use of Federal appropriations.

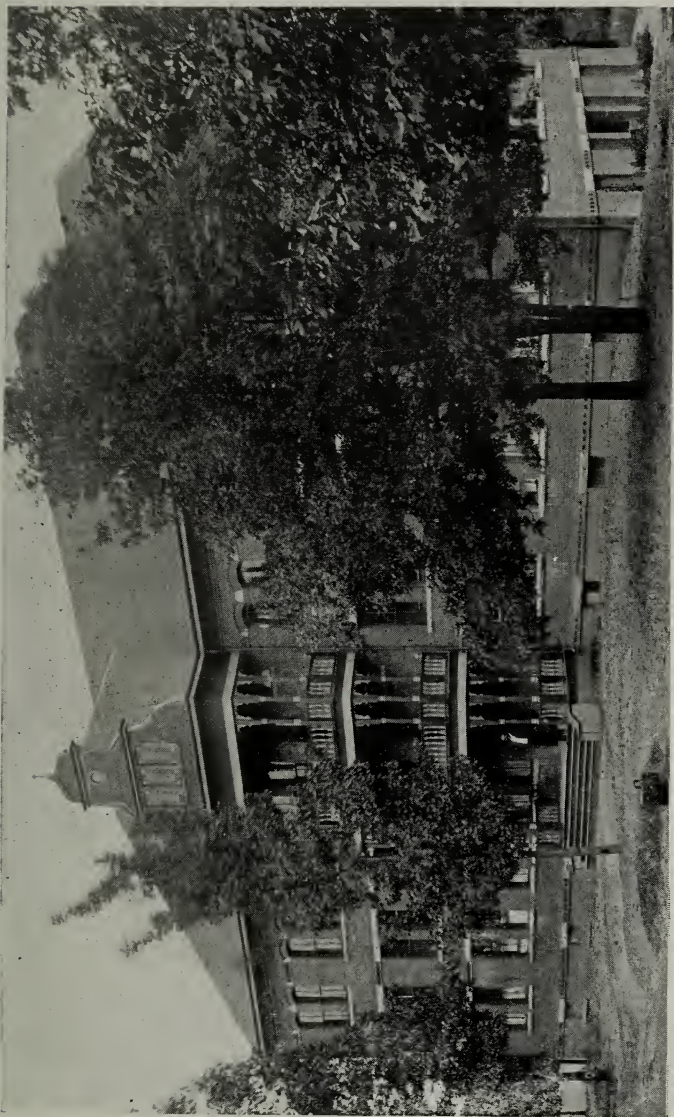
The citizens of Greensboro donated fourteen acres of land and \$11,000, to be used in construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. The main building, one of the finest school edifices in North Carolina, was completed in 1893, and the school opened in the fall of that year.

Every Negro who will observe the splendid record of success and of usefulness which the graduates almost without exception are making must naturally feel grateful to the "Old North State" for the excellent work that this Commonwealth is doing for the uplift of its Negro citizens. Every intelligent citizen, black or white, who will note the substantial interest and splendid support that this institution is receiving from every State official and from the representatives of the people in every Legislature, must admire the wise and liberal treatment North Carolina is giving for the maintenance of helpful institutions for her Negro citizens, and ever appreciate the excellent results that are being accomplished. It is certain no Negro can study the important work of this institution and its influence for the advancement of all people without feeling a stronger sense of obligation to his State that he should strive to be a better, truer and more patriotic citizen of the great State of North Carolina.

By Act of Legislature of 1915 the name of the college was changed from Agricultural and Mechanical College for the Colored Race to The Negro Agricultural and Technical College of North Carolina.

ADMISSION

Before coming to the college every new student should write for an application blank. This should be filled out and



SOUTH DORMITORY

returned to the President. The student will then be informed whether his application has been accepted. He should not leave home for the college until he receives word that his application has been accepted.

Applicants must be in good health and not under 16 years of age; must understand fairly well the forms and rules of the English language, must know addition, subtraction, multiplication and division of whole numbers, and have a knowledge of Geography and History.

Entrance examinations will not be required of students who have completed the eighth grade in the grammar schools, or who can furnish evidence that they have completed in reputable schools courses similar to those completed by the class to which they seek admission.

For admission to the Freshman Class applicants must have completed all the academic work required of students in the Fourth Year Trade Class, or its equivalent.

A student otherwise qualified may be allowed to elect certain studies from the regular courses already provided in the College if no inconvenience results to the regular classes.

Each student desiring admission should present a recommendation from the school last attended.

TUITION

Tuition of one dollar per month, payable in advance.

Free tuition for the school year will be limited to one student for each county representative of the Legislature, and such free tuition will be granted only upon the following conditions: (1) That the free tuition students shall enter the college not later than the first day of October; (2) that they shall pledge themselves to remain until the end of the spring term.

EXPENSES

Parents and guardians are advised to send direct to the President of the college all sums of money intended to defray expenses of students. If this suggestion is followed, it will not be possible for a student to spend for other purposes money sent him to meet his school bills. School bills must be paid by cash, postoffice money order, express money order, or bank draft. Personal checks are not accepted.

Although it is the aim of the college to furnish as much employment as possible to assist students in defraying expenses, no promise nor guarantee can be made in advance to furnish such work.

Students who work during the day and attend school at night will be *given an opportunity to earn ten dollars a month*. This will meet all their current expenses. They should be prepared to pay the expenses of the first month in the same way as day students.

The charges made by the college for board, lodging and tuition must be settled in advance the first day of each month. The college does not hold students on credit. No monthly payment will be returned and no student will be credited with fractional parts of monthly payments, except that students entering may make their initial payment to the first of the next month.

Positively no student will be allowed to enter any department of the college without paying in *cash* the first month's expenses, as stated below.

The first month's expenses will be about \$22.00. Expenses for subsequent months will be between \$7.00 and \$9.00
Matriculation fee, payable once only by new students.....\$5.00

MONTHLY PAYMENTS

Tuition, per month	\$1.00
Lodging—use of room, bedding, etc., per month.....	1.00
Board, per month	6.00

TERM PAYMENTS

Laboratory Fees for College students.....	\$2.00
Shop Fees for Trade students	2.00

(NOTE: Students taking industry at the farm and night school students will not be charged term fees.)

YEARLY PAYMENTS

Incidental Deposit	\$2.00
Registration Fee (for former students only).....	1.00
Dining Hall Fee	1.00
Medical Fee	1.00
Library Fee	1.00
Athletic Fee .....	.50

These charges are payable strictly in advance.

Students at the time of the advance payments will be given tickets, which will admit them to class-rooms, work-shops and dining-hall when properly countersigned.

In addition to the above expenses the cost of text-books must be considered. This will amount to about \$12.50 per year.

Free tuition or county students will pay \$1.00 per month less than the above.

Board, lodging, medical fee, tuition, and incidental deposit must be paid before the rooms are assigned and tickets of admission to class-rooms, work-shops and dining-hall are issued.

In addition to the above charges each student will be required to give at least three hours' work per week.

SUPPLIES

Each student must bring a hairbrush and comb, toothbrush, a change of sheets and pillowcases and counterpanes, plainly marked.

All students must furnish books, stationery, drawing instruments, thumb tacks and medicines.

Each student must keep on deposit \$2.00 to cover any charges which may be made against him for damages done.

It is desired that all students be uniformed. Our regular college uniforms are neat and attractive and can be worn at all times. The prices are as follows: Cap, \$1.75; coat, \$7.00; pants, \$3.50. More expensive uniforms can be had if desired. The regular uniform is made of very good material and should last the average student at least two or three years.

No student organization will be allowed to leave the college in a body without being in uniform.

No student lodging on the campus will be permitted to leave the campus without being in uniform.

RULES GOVERNING CLASSIFICATION

1. Regular students must take a minimum of fifteen hours of credit work per week at least six of which shall be industrial work.
2. Examinations for the removal of conditions will be held at no other time than the regular term examination periods. A minimum credit of 85 per cent. must be made to remove conditions.
3. Students making an average of 70 per cent. or more will be passed; over 85 per cent., passed honorably.
4. Student candidates for graduation will be required to pass a satisfactory examination in all the subjects in their respective courses.
5. Any student failing to secure 50 per cent. of the total marks obtainable during any term, will be required to take a lower class or sever his connection with the college and be allowed to return the following session.

GRADUATION

It is the aim of this institution to send forth men who are fit representatives. To this end, the faculty reserves the right to refuse to admit any student to the Senior class or to graduate any one who, though qualified by class record, may otherwise be unfit.

Students graduating from the Trade School Courses are entitled to Certificates.

Students are entitled to a Diploma of the college upon the completion of the prescribed courses.

Candidates for graduation from the college, in addition to the work outlined in the catalogue, must spend at least one summer at the college for instruction in practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.

Students in the graduating class must clear all conditions, except such as may be incurred during the opening term, by the close of the winter term.

DEGREES

Students graduating from the Agricultural Course shall be entitled to the degree of Bachelor of Science in Agriculture.

Students graduating from the Mechanic Arts Course shall be entitled to the degree of Bachelor of Science in Mechanic Arts.

Members of the Senior class must deposit the fee for Diploma thirty days before commencement day.

GENERAL INFORMATION

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work at the rate of 3 to 9 cents per hour, for which they can get credit each month at the time of their advanced payment.

Students receiving aid by labor which they may secure at the college are requested to observe: (a) That credit on school expenses, and not money, will be allowed for student labor; (b) that credit cannot be transferred from one student to another.

The several industries operated by the school afford opportunity for needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially a new one, would earn per month. This largely depends upon his individual application and energy. All can earn something each month, while the most industrious and energetic student will regularly earn more than his expenses.

Students, upon their arrival in Greensboro, must report immediately to the President for a permit for examination and registration.

Each student upon applying for admission will be required to sign a pledge, binding obedience to the rules of the college. Parents and guardians are particularly requested to examine our Rules and Regulations, to be found on another page of this catalogue.

It will be the purpose of the college to maintain a high moral tone and to develop a broad, tolerant religious spirit among the students. In this connection there is a well-organized Y. M. C. A., which meets twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. Sunday School is conducted every Sunday during the school year. All



SUNDAY SCHOOL TEACHER TRAINING CLASS

religious services will be free from sectarianism. A flourishing Temperance Society is now in operation.

There are two literary societies—the Dunbar and Douglass, which greatly stimulate the development of character and the training of the intellect. These offer facilities for practice in debate, oratory, declamation and essay writing; the members become practically familiar with parliamentary law and usage. The faculty, by presence and advice, will seek to encourage these societies. Membership in one or the other of these societies will be compulsory. There are two technical societies, in which special topics in connection with agriculture, mechanics and chemistry are considered in a manner conducive to independent thought and research.

Students whose parents or guardians do not live in Greensboro or its immediate vicinity, will be required to room and board in the college—except when the consent of the Faculty has been secured by the written request of the parent or guardian. Consent will only be given, however, when the judgment of the Faculty directs that it can be done, with safety; as the college cannot, nor does it desire to rid itself wholly of the responsibility out of school hours of the conduct of students who do not room and board in the college.

Students who are dismissed or expelled will be required to leave immediately. If they do not have railroad fare, they will be put to work for board and lodging only until such time as parents or guardians shall send money for their traveling expenses.

Students who lodge at the college will not be allowed to work in the city except in the employment of the college. Students who lodge on the campus will be required to board in the dining room.

The *industrial* part of each course of instruction applies to all students, and *none will be excused therefrom*.

INDUSTRIAL MUSEUM

An Industrial Museum has been started and already valuable collections of work done by students are to be seen. We have collections representing the work in carpentry, blacksmithing, and the various trades; also specimens from the Agricultural, English and Dairy Departments. Such articles for exhibit are collected once every month.

RULES AND REGULATIONS

1. The signal for rising will be given at 5.45 a. m. Dressing and arranging rooms, 5.45 to 6.15 a. m. Inspection, 6.15. Breakfast, 6.30 to 7 a. m. Study hour, 7 to 8. Chapel, 8 to 8.30 a. m. Morning session, 8.30 to 12 a. m. Dinner from 12.10 to 1 p. m. Afternoon session, 1 to 4 p. m. Recreation, 4 to 6 p. m. Supper, 6.10 to 6.30 p. m. Study, 7 to 9.30. Night school session, 7 to 9.30. Inspection 10.15 p. m. Retiring signal and lights out 10.30 p. m.

2. Strict attention must be given to cleanliness and deportment. Each student is required to keep his room in good order and subject to inspection at any time, and to conduct himself at all times in a gentlemanly manner. To attain and maintain a high moral standard is one of the prime objects of this institution, and any student known to have vicious habits or to indulge in vulgar language will be deemed an unfit associate and will be expelled from the college. Untruthfulness or dishonesty in any form will not be tolerated. Students guilty of such offences will be promptly dismissed.

3. Students shall promptly attend prayers and chapel services and all special exercises, class and instruction work. Tardiness, or absence from these duties, will, when not excused, subject a student to demerits. Loitering within the main building by the students is prohibited.

4. Students who interrupt the quiet and order of college life by noises in or near the buildings or who commit intentional damage to college property, or who make nuisance by throwing slops near the buildings or otherwise, will not be allowed to room on the grounds.

5. Students who persistently absent themselves from chapel and class work, or who persistently neglect college duties, or who absent themselves from college grounds contrary to Rules and Regulations, are not regarded as desirable companions for industrious, meritorious students, and will not be allowed to continue as students in the college.

6. Students must attend some church on Sunday morning. Parents or guardians should designate to the President of the College what church they wish their sons or wards to attend.

7. Any student shooting or having on his person, in his room, or on the College premises, rifles, spring guns, fire arms or deadly weapons of any kind whatsoever will be dismissed.

8. The use of playing cards, tobacco, spirits, malt or vinous liquors by the students is prohibited. Students are forbidden to enter any disreputable house, including places where intoxicants are sold, while absent from the college grounds.

9. Students are forbidden to go upon the roofs of buildings, or to enter or depart from buildings through windows, and they are also forbidden to enter the kitchen, store-rooms or pantry. Students are prohibited from entering the dining-room, except at meal time.

10. Strict discipline will be enforced in the dining room during meals. Students guilty of ill-mannered conduct in act or speech will be removed from the dining-room and punished for insubordination.

11. Students are forbidden to receive visitors in the dormitory buildings.

12. At all times the students shall deport and express themselves respectfully toward the Faculty and every member of it

and also toward their fellow students. Any deficiency in this particular will be punished. A student failing to respond to any reasonable demands by any member of the Faculty shall be held guilty of contempt and punished accordingly.

13. No student will be retained after he has received thirty-four demerits in any one term of a session.

14. Every new student must be vaccinated before entrance, or present a doctor's certificate showing that he has been successfully vaccinated within two years.

15. A student cannot remain in good standing in any department when dismissed from another.

16. No diplomas shall be given to any student who is in debt to the College.

17. Any student found guilty of any species of dishonesty shall be dismissed or expelled, at the discretion of the Faculty.

18. Any student absenting himself from class one-third of the time during any month, without excuse, shall be dismissed.

By order of

THE BOARD OF TRUSTEES

SCHOLARSHIPS, PRIZES AND MEDALS FOR 1916-1917

SCHOLARSHIPS

The A. M. Scales scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Second Year Trade Class with the best record in scholarship, class work and deportment.

The E. P. Wharton scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Third Year Trade Class with the best record in scholarship, class work and deportment.

The American Commission Company scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Fourth Year Trade Class with the best record in scholarship, class work and deportment.

The Odell Hardware Company scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Freshman Year with the best record in scholarship, class work and deportment.

The Elmore and Maxwell Company scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Sophomore Year with the best record in scholarship, class work and deportment.

The S. D. McRae scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Junior Year with the best record in scholarship, class work and deportment.

These scholarships herein announced shall be awarded to the winners on Commencement Day of the Session 1916-1917. They will be available, January 1, 1918.

PRIZES

The Cone Cash Prize.—This prize of \$3.00 in cash, known as the Cone Cash Prize, will be given to the student who submits the most practical original suggestion for the improvement of college affairs.

CORN CLUB PRIZES

The A. and T. Alumni offer a scholarship of \$50.00 on board, lodging and tuition to the boy who raises the highest number of bushels of corn to the acre in 1916.

A second prize of \$40.00 will be allowed on board, lodging and tuition to the boy who raises the second highest number of bushels to the acre as above.

(These scholarships are to be used at the A. and T. College, and the corn contest questions are all to be settled by the corn club rules as interpreted by Mr. John D. Wray, Agent, Negro Boys' Corn Club.)

MEDALS

The John Merrick Medal.—The student completing the full mechanical course with the best four-year record in the college will be awarded a gold medal known as "The John Merrick Medal."

The John H. Love Medal.—The student completing the full four-year agricultural course with the best record will be awarded a medal known as "The John H. Love Medal."

The W. L. McNair Medal.—A gold medal to be known as "The W. L. McNair Medal" will be awarded to the student completing the full four-year college course making the best record in the English Department.

The John D. Wray Medal.—A gold medal known as "The John D. Wray Medal" will be awarded to the student completing the full four-year agricultural course for the best record in practical agriculture.

The Charles E. Stewart Medal.—A gold medal known as "The Charles E. Stewart Medal" will be awarded the graduate from the full college course with the best four-year record in Music.

FREE TUITION

Free tuition will be allowed any student for one year following a year in which he is on the Honor Roll for three consecutive terms.

NOTICE TO AGRICULTURAL STUDENTS

Agricultural students will take notice that the following number of hours of practical work must be acceptably done before graduation from the college:

FRESHMAN CLASS.

Fall Term—60 actual hours, Greenhouse.

Winter Term—60 actual hours, Dairy.

Spring Term—60 actual hours, Greenhouse.

Total for Freshman—180 actual hours, divided as follows:
Greenhouse, 90 actual hours; Dairy, 90 hours.

SOPHOMORE CLASS.

Fall Term—60 hours, Greenhouse and Campus.

Winter Term—60 hours, Dairy.

Spring Term—60 hours, Greenhouse and Plots.

Total, 180 hours. Greenhouse, 90 hours; Dairy 90 hours.

JUNIOR CLASS.

Fall Term—60 hours, Greenhouse and Plots.

Winter Term—60 hours, Dairy.

Spring Term—60 hours, Market Gardening on Plots.

Total, 180 hours. Greenhouse, 90 hours; Dairy, 90 hours.

Summer Term—320 hours, Farm. Total, 500 hours.

SENIOR CLASS.

Fall Term—60 hours, Farm.

Spring Term—60 hours, Farm.

Total, 120 hours.

TOTAL HOURS.

Greenhouse, 270 hours.

Dairy, 270 hours.

Farm, 440 hours.

Total, 980 hours.

NOTICE TO MECHANIC ARTS STUDENTS

Mechanical students will take notice that the following number of hours of practical work must be done satisfactorily before graduation from the College:

FRESHMAN CLASS.

Fall Term—60 actual hours in any shop.

Winter Term—60 actual hours in a shop other than that selected for the Fall Term.

Spring Term—60 actual hours in a shop other than the two selected in the Fall and Winter Terms.

SOPHOMORE CLASS.

Fall Term—60 actual hours, at the trade selected.

Winter Term—60 actual hours, at the trade selected.

Spring Term—60 actual hours, at the trade selected.

JUNIOR CLASS.

Fall Term—60 actual hours, at the trade selected.

Winter Term—60 actual hours at the trade selected.

Spring Term—60 actual hours, at the trade selected.

SENIOR CLASS.

Fall Term—60 actual hours, at the trade selected.

Winter Term—60 actual hours, at the trade selected.

Spring Term—60 actual hours, at the trade selected.

NOTICE TO TRADE SCHOOL STUDENTS

Trade School students will take notice that the following number of hours of practical work must be satisfactorily performed during each of four years before graduation from the Trade School Course:

Fall Term—135 hours, at selected trade.

Winter Term—135 hours, at selected trade.

Spring Term—135 hours, at selected trade.

OUTLINE OF COURSE OF STUDY

Eighteen hours must be passed per term and not more than two conditions for college students and three for trade school students incurred in order to be promoted to the next higher class. Recitation and lecture periods 45 minutes; the laboratory, 90 minutes; shop, and other periods, 180 minutes.

FIRST YEAR TRADE SCHOOL CLASS.

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
English	5	5	5
Arithmetic	5	5	5
Negro History	2	2	2
Geography	2	2	2
Reading	2	2	2
Penmanship	2	2	2
Music	1	1	1
Trade	5	5	5

SECOND YEAR TRADE SCHOOL CLASS.

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
English	5	5	5
Arithmetic	5	5	5
Negro History	2	2	2
Geography	3	3	3
Reading	2	2	2
Drawing	2	2	2
Music	1	1	1
Trade	5	5	5

THIRD YEAR TRADE SCHOOL CLASS.

Subjects	Periods Per Week			
	Fall Term	Win. Term	Spr. Term	Term
English	5	5	5	
Arithmetic	5	5	5	
United States History	2	2	2	
Physical Geography	2	2	2	
Drawing	2	2	2	
Physiology	3	3	3	
Music	1	1	1	
Trade	5	5	5	

FOURTH YEAR TRADE SCHOOL CLASS.

Subjects	Periods Per Week			
	Fall Term	Win. Term	Spr. Term	Term
English	5	5	5	
Algebra	5	5	5	
Ancient History	2	2	2	
Bookkeeping	3	3	3	
Civics	2	2	2	
Drawing	2	2	2	
Music	1	1	1	
Trade	5	5	5	

FRESHMAN CLASS.

Subjects	Periods Per Week			
	Fall Term	Win. Term	Spr. Term	Term
English	5	5	5	
Algebra	5	5	5	
Botany			3	
Biology (Plant)	3			
Biology (Animal)		3		
Modern History	3	3	3	
Music	1	1	1	
Elementary Chemistry			3	
Shop, Greenhouse or Dairy'g.....	3	3	3	
Mechanical Drawing	2	2	2	
Current Events	2	2	2	

SOPHOMORE CLASS.

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
Plane Geometry	5	5	5
English	5	5	5
Physics	5	5	5
Mechanical Drawing	2	2	2
Chemistry	3	3	3
Music	1	1	1
Agricultural Group:			
Poultry	3	3	3
Market Gardening			2
Study of Breeds	2	2	2
Greenhouse or Dairy'g.....	3	3	3
Mechanic Arts Group:			
Materials of Construction.....	2	2	2
Shop	3	3	3
Materials of Construct'n (M)	2	2	2

JUNIOR CLASS.

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
Chemistry—Qual. Analysis.....	3	3	3
English	5	5	5
Geometry (Solid)	5		
Trigonometry		5	5
Music	1	1	1
Agricultural Group:			
Animal Breeding	3		
Bacteriology	2	2	2
Dairying	2	2	2
Farm Crops	3	3	3
Geology			2
Horticulture	3	3	3
Poultry	2	2	
Stock Judging		3	
Veterinary Science			3

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
Mechanic Arts Group:			
Drawing	2	2	2
Electricity	3	3	3
Gas Engines			3
Heating and Ventilation		3	
Mechanics	5	5	
Steam Engines	3	3	
Shop	3	3	3

SENIOR CLASS.

Subjects	Periods Per Week		
	Fall Term	Win. Term	Spr. Term
Surveying	2		
English	5	5	5
Economics		5	
Agricultural Group:			
Agricultural Physics	3	3	
Practical Thesis			5
Plant Breeding	3	3	
Agronomy	2	2	
Entomology	3	3	
Landscape Gardening			2
Agricultural Chemistry	2	2	2
Poultry	2	2	
Mechanical Group:			
Strength of Materials	2		
Hydraulics	2		
Hydraulic Motors		2	
Drawing	2	2	2
Power Plants		2	
Shop	3	3	3
Thesis			5
Music	1	1	1

DEPARTMENT OF AGRICULTURE AND CHEMISTRY

JAS. B. DUDLEY, President.

J. H. BLUFORD, Head of Department and Instructor in Agriculture and Chemistry.

A. L. MEBANE, Superintendent of Farm and Instructor in Practical Agronomy.

BARTON WHITE, Florist, and Instructor in Horticulture and Botany.

B. W. BARNES, Superintendent of Dairy, and Instructor in Dairy and Animal Husbandry.

C. B. REID, Instructor in Animal Husbandry.

S. M. ROBINSON, Instructor in Poultry.

JOHN D. WRAY, Extension Work; State Agent Boys' Farm Clubs.

AGRICULTURAL COURSES

1. A four-year college course in Agriculture.
2. A two-year college course in Agriculture.
3. A three months' winter course in Agriculture. This course is intended for farm boys who are unable to get in school until after harvesting crops, and who must leave before the close of school.
4. A one week's course in Agriculture.
5. A four-year preparatory course in Agriculture.

There are four courses in Agriculture—a four-year graded course leading to the degree of Bachelor of Agricultural Science, a two-year course leading to a certificate, and a one-week's course for farmers and others who can only spend a limited amount of time away from their business. The four-year course is designed to give the student a well-rounded education combined with technical and practical instruction. The course is divided so as to give about one-third of the student's time to technical instruction, one-third to scientific and the

other third to actual practice. As all agricultural instruction is dependent upon a thorough knowledge of the fundamental sciences the course is essentially scientific rather than literary. The two-year course is designed especially for the need of those students who have little time to spend in school and wish to get only such instruction as bears directly on their chosen vocation.

Special attention is given to dairying, horticulture, soils,



PROF. W. H. BLUFORD
DIRECTOR OF THE AGRICULTURAL AND CHEMICAL DEPARTMENT

fertilizers, market gardening and stock-raising. The college has frequent calls for young men to do practical work in these subjects.

The one week's course is devoted to a course of lectures and practical demonstrations on dairying, soils, fertilizers and stock-raising. These courses for the most part will be given by experts from the State Department of Agriculture.

The four-year preparatory course is designed to prepare students for the regular Agricultural Course leading to the degree of B. S. A.

METHODS OF INSTRUCTION.

Instruction is given by laboratory work, text-books, lectures and reference reading. The scientific equipment is excellent—

probably the best of any Negro school in the country. All class room work is supplemented by practical work, either in the field, the garden, the greenhouse, the barn, the dairy, or the chemical or physical laboratory.

EQUIPMENT.

The college has twenty-five acres of land in the immediate campus which is used for horticulture and market garden purposes. In addition to this it has a farm of 103 acres of land, most of which is under cultivation. There is a modern two-story barn which is used for dairy cattle, a piggery, and a small poultry plant.

Recognizing the importance of good farm machinery and labor-saving devices, the College has purchased and received as donations from a number of firms a considerable amount of farm machinery, such as different kinds of plows, harrows, cultivators, a seed drill with a fertilizer attachment, a corn harvester, and various tools and machines for market gardening.

The dairy is well equipped with modern apparatus for butter making. It has two United States, one De Laval and one Sharpless Separator, Acme Bail Churns, one Davis Swing Churn, seven Lever Butter Workers, one Eclipse Refrigerator, a Boyd Cream Ripening Vat, a Babcock Milk Testing Machine, Aerator, etc., thus enabling us to offer the very best course in butter making. We have recently added apparatus and utensils for cheese making for home consumption.

A ninety ton silo has also been erected for which silage is raised every year. A St. Alban's Shredder is used for cutting up the ensilage and a corn harvester is used for cutting the corn in the field.

A modern barn has recently been built at the College farm and plans are prepared for a new dormitory at the farm for the Superintendent and members of the Senior class.

The dairy farm is stocked with a good herd of milch cows.

Different crops, such as wheat, oats, cow peas, sugar beets, sorghum, millet, mangel wurzel, potatoes, alfalfa, tobacco, cotton, rape, vetch, clover, and various other forage crops, are

grown on the farm, and the student obtains practical experience in the cultivation of such crops with the latest and best farm machinery.

Experiments are also being conducted on the dairy farm, illustrating the effect of different methods of cultivation and fertilization of several crops. Variety tests are also made. This experiment work is carried on by the students in the advanced classes.



Silo at Farm

The greenhouse is maintained to aid the student in the study of Botany and care of flowers. Instruction is also given in the management of a greenhouse on a commercial scale.

Market gardening is practiced on a small scale for the purpose of giving the student practice in the management of early truck lands.



STUDENTS AT PRACTICAL WORK ON PLOTS

DESCRIPTION OF COLLEGE COURSES

A—INDUSTRIAL—PRACTICAL HORTICULTURE

I.—GREENHOUSE MANAGEMENT. CARE OF CAMPUS. 60 actual hours.

Practical work is given in the care and management of greenhouses. Students are required to grow and care for various flowers, such as carnations, roses, hyacinths, freesias, narcissus, etc., as well as various foliage plants, like ferns and palms. For Freshman and Sophomores. Fall term.

II.—PROPAGATION OF PLANTS. 60 actual hours. Required Course I.

Practice is given in making cuttings, in pottings, rooting, grafting, budding, etc. The student is also taught how to prepare various fungicides and insecticides, how and when to apply them. For Freshmen and Sophomores. Winter term.

III.—MARKET GARDENING. 60 actual hours. Required Course II. Industrial. For Freshmen and Sophomores.

Practice is given in transplanting plants from the greenhouse or cold frames to the field. Attention is also given to raising early vegetables on a commercial scale. Spring term.

B—AGRICULTURE—BIOLOGY AND GEOLOGY

I.—ELEMENTARY AGRICULTURE.

This course is a general survey of the whole field of Agriculture dealing in a general way with the fundamentals of Agriculture, such as the Soil, Plant Life, Manures and Fertilizers, Farm Crops, Plant Diseases, Insects and Birds, Live Stock and Dairying and Feeds and Feeding. This course will be given by lectures, recitation and practical work on the plots. Three hours Fall and Winter Terms. Mr. Bluford.

II.—ELEMENTARY BOTANY.

Lectures, recitations and laboratory work. Special attention is given to plant morphology, the principles of nutrition, reproduction, growth, sex and adaptation to environment. The importance of the fungi and seed plants is emphasized. The principles of plant breeding, crossing, pollination, budding and grafting are taught. Required of Freshmen. Fall term. Two hours. Text—Bailey and Coleman.

III.—ELEMENTARY BIOLOGY.

The various types and principles of animal life; structure and classification of the vertebrates and invertebrates; the common parasites infecting man and the domestic animals. Freshmen. Winter term. Two hours. Text—Bailey and Coleman Elementary Biology. Mr. Robinson.

IV.—ELEMENTARY GEOLOGY.

Structural geology; important minerals and elements of the earth's crust; the igneous or eruptive rocks; sedimentary and metamorphic rocks; dynamic geology—wind and river erosion; underground water and lake deposits; glaciers, mountains, volcanoes; earthquakes and geysers; stratigraphic geology. The uses of fossils; life during the archæan and paleozoic times. The glacial period. For Juniors. Spring term. Three hours. Mr. Bluford.

AGRONOMY

V.—FARM MANAGEMENT.

Lectures and recitations upon the selection, location, planning and the equipment of farms; farm building and machinery. Systems of cropping and farm accounts. For Seniors. Winter term. Two hours. Text—Card's Farm Management. Mr. Mebane.

VI.—AGRICULTURAL PHYSICS. Required Courses III. Physics and V. Chemistry and I. Mechanics.

The power of soils to retain moisture, effect of deep and shallow cultivation, methods of constructing farm buildings, venti-



WHEAT CROP

lation, road making, draft of wagons and plows, etc., are fully discussed. Text: *Agricultural Physics*.—*King*. For Seniors. Fall and Winter terms. Three hours. Mr. Bluford.

VII.—AGRICULTURAL PHYSICS LABORATORY WORK. Courses I., II. and III. required. (Gen. Physics.)

This course will accompany Course IV. with detailed experiments to show the rate of percolation of water through soils; capillary attraction; effect of different kinds of mulches; determination of specific gravity and specific heat; and the mechanical analysis of soils. The department has been recently equipped with the latest apparatus for soil work. Spring term. Seniors. Two hours. Mr. Bluford.

VIII.—FARM CROPS.

Lectures upon the history, production, harvesting and marketing of farm crops. Practical exercises in harvesting and storing various staple crops. Preparation of soil and the seeding of fall and winter crops; practical exercises in draining land, fall plowing and the preparation of soil for spring seeding. Practical rotation of crops on one acre plats. For Freshmen and Seniors. Fall term; 60 actual hours. Mr. Mebane.

IX.—SPECIAL CROPS.

The seeding and harvesting of special crops, such as corn, tobacco, cotton, the clovers and the grasses. Practical exercises in the rotation of these crops on one acre plats. For Seniors. Spring term, 60 actual hours. Juniors. Summer term, 320 actual hours. Mr. Mebane.

PHYSIOLOGY AND VETERINARY SCIENCE

1. The structure and function of the bones, muscles and joints are carefully studied. The various organs and their functions receive special attention; health laws, ventilation, influence of heredity, preparation and use of domestic remedies; disinfectants and their uses; sanitation and prevention of tuberculosis. For Freshmen. Three hours throughout the year. Text—*Law's Physiology of Domestic Animals*.

II.—VETERINARY SCIENCE. Three hours. Required Course I.
Physiology.

The common diseases of farm animals are briefly discussed, together with remedies for same. Some practical work in caring for sick animals is also provided the student. Text—*Veterinary Elements*.—*Hopkins*. For Juniors. Spring term. Mr. Barnes.

ANIMAL HUSBANDRY AND DAIRYING

I.—ANIMAL BREEDING.

The student is taught the underlying principles of successful breeding; such subjects as atavism, variation, selection, heredity, line-breeding, cross-breeding and in-breeding are discussed. Collateral reading required. Text—*Shaw's Animal Breeding*. For Juniors. Fall term. Three hours. Mr. Barnes.

II.—BREED OF LIVE STOCK.

The origin, history and characteristics of the various breeds of cattle, sheep and swine are taken up. Especial attention is given to the various types of dairy cattle and hogs. Whenever possible actual specimens are used to show the characteristics of the various breeds of animals. Excursions are frequently made to near by farms for the purpose of score card work. For Juniors. Winter term. Three hours. Mr. Barnes.

III.—MILK AND CREAM TESTING.

The student is taught how to test milk and cream; he is made familiar with the Babcock test for fat; he is also expected to test milk for adulterants, determine its specific gravity, total solids, the amount of water it contains, and is required to make at least two tests of each cow in the herd. He also becomes expert in testing cream for acidity according to at least two methods.

Lectures and recitation work will be given on the composition, secretion and production of milk. Fall term for Juniors. Three hours. Mr. Barnes.



DAIRY WAGON

IV.—BUTTER MAKING. Three hours. Required Course III.

Thorough drill is given in butter-making according to the most improved methods. Considerable drill is also given in making neat and attractive packages, in storing and scoring butter, ripening cream, etc. For Juniors. Winter term. Mr. Barnes.

V.—MANAGEMENT OF DAIRY. 60 actual hours. Required Courses III. and IV.

The student is expected to go into the dairy and take charge of the work under the supervision of the instructor. He receives instruction in the care and management of separators and obtains more practice in butter-making. Fall term. For Juniors. Mr. Barnes.

VI.—DAIRY INDUSTRY.

The cleaning of the dairy barn, the cleaning of cows and milking; the cleaning of the dairy and dairy utensils. For Freshmen and Sophomores. Fall term, 65 hours; Winter term, 60 hours; Spring term, 60 hours. Mr. Reid.

C—HORTICULTURE AND BOTANY

I.—BOTANY. Five credits. Desired Course I. Horticulture.

Such subjects as how the plant takes up food from the soil and the atmosphere; the effect of sunlight, air and moisture on plants are noted, diseases of plants and remedies for same are discussed in an elementary way. Given in connection with Course I. Agriculture. Text: *Elementary Botany*.—*Bailey*. For Seniors. Spring term.

II.—PROPAGATION OF PLANTS. Three hours.

Method of propagating plants by cutting, stolons, suckers, layering seed, etc., are discussed. The principles underlying budding, grafting and pruning are also discussed. Text: *Principles of Plant Culture*.—*Goff*. Freshmen. Fall term.

III.—SMALL FRUIT CULTURE. Two credits. Required Course II. Horticulture.

Methods of propagating and cultivating various kinds of small fruit are discussed, together with the preparation of soil for same. Winter term. Juniors. Mr. Robinson.

IV.—MARKET GARDENING. 20 actual hours; 60 credits. Required Course II. Horticulture.

A study of the different crops adapted to market gardening and adapted to North Carolina is made. Construction and management of hot beds, cold frames, special fertilizers for vegetable crops, packing, shipping and marketing are also considered. Text: Vegetable Gardening.—*Bailey*. For Sophomores. Spring term.

V.—POMOLOGY. Two credits. Required Course III. Horticulture.

Planting of fruit trees, tilling and fertilizing fruit lands. Planting and caring for orchard, picking, packing, storing, and shipping fruit are discussed. Text: Fruit Growing.—*Bailey*. For Seniors. Winter term. Mr. Robinson.

VI.—LANDSCAPE GARDENING. 60 actual hours. Required Course V. Horticulture.

Principles of embellishing landscapes, planting and management of lawns, management of orchards, pruning, etc. Text: Landscape Gardening.—*Maynard*. Spring term. Seniors.

PLANT BREEDING

Course VII. This course is offered to students in the Senior year. The aim of this course is to give the student a thorough knowledge of seed growing. It includes the study of the principles underlying the various systems used in securing varieties of plants. The study of Mendelism and its practical application is thoroughly taken up. Lectures twice a week. Credit two hours.

ENTOMOLOGY AND BACTERIOLOGY

I.—ENTOMOLOGY. Three hours. Required Course VI. Horticulture. Text: Constock's Insect Life.

The subject is taught by means of lectures and the student is required to read upon topics assigned him by the instructor. The most common insects and insecticides are studied. For Seniors. Fall term. Mr. Robinson.

II.—BACTERIOLOGY. Three hours. Required Courses II. Horticulture and I. Chemistry.

Lectures are given on the nature of bacteria, their relation to other plants, supplemented by laboratory work. For Juniors. Fall and Winter terms. Mr. Barnes.

III.—PLANT DISEASES. Three hours. Required Course I. Horticulture.

Lectures and laboratory work. Common diseases, such as the cereal pests and insects; diseases of cotton, tobacco and fruit trees are studied with the aid of the compound microscope. For Seniors. Winter term.

COURSES IN POULTRY HUSBANDRY

COURSE I.—POULTRY HUSBANDRY.

This course is given throughout the year. It is offered to those who have reached the Sophomore year. The principles of poultry breeding. The study of breeds, varieties and strains, poultry house sanitation, the prevention of disease and the study of foods and feeding are thoroughly discussed. A laboratory course is also given in which the student becomes familiar with fowl anatomy, caponising, candling and the most advanced methods of killing market fowls. Lectures: Mondays and Wednesdays. Laboratory: Fridays. This is a lecture course. Mr. Robinson.

COURSE II.—POULTRY HOUSE CONSTRUCTION.

Prerequisite Course I. This course will be given in the Winter term and is offered to those who have reached the Junior year. Poultry house sites, building materials, and poultry house plans; construction of trap nests, mash hoppers; egg cases are closely studied. In the laboratory the student is taught to draft and estimate the cost of material of various kinds of poultry houses. A great deal of attention is given to arrangement of buildings on a poultry farm. The principles involved in incubator cellars and brooder houses are taught. Lectures: Tuesdays. Laboratory: Thursdays. Text: Poultry Houses and Fixtures. Price 75c. Credit, two hours. Mr. Robinson.

COURSE III.—POULTRY BREEDS AND BREEDING.

Prerequisite Course I. and II. This course will take up all sides of breeding in detail. The fertility of eggs and the selection of breeders; making up mating pens. The study and history of each breed and varieties will be studied. Lectures: Mondays, Wednesdays and Fridays. Fall term. Mr. Robinson.

COURSE IV.—ARTIFICIAL INCUBATION AND BREEDING.

This course cannot be taken up by any student who has not taken Courses I. and III. The student is given an opportunity to operate an incubator. The student is also expected to feed and care for the chicks after hatching them. No student will be allowed to take this course who has not done creditable work in all prerequisite courses. Spring term. Mr. Robinson.

COURSE V.—POULTRY FARM MANAGEMENT.

Prerequisite Courses I., II., III., IV. This course will take up the care, feeding, marketing and shipping of poultry. Poultry farm bookkeeping, cost accounting and management, extensive and intensive methods of poultry culture; study of trade sheets and papers; study of express and freight rates. Text: Robinson's Principles of Poultry Culture. Two Labora-

tory periods, Mondays and Wednesdays. Fall and Winter terms. Credit, three hours. Mr. Robinson.

DIVISION OF POULTRY HUSBANDRY

MR. S. M. ROBINSON

The Division of Poultry Husbandry offers good facilities for instruction and investigation. A modern Poultry Laboratory has just been completed. The building is well lighted and commodious. It is equipped for the following lines of work: Egg candling, caponising, care and packing of eggs, packing and dry picking of chickens, poultry house drafting and the making of poultry appliances.

The division operates a commercial egg producing poultry plant. The fowls are housed in a commercial poultry house 110 feet long by 20 feet deep; the house is divided into five pens, each one of which is capable of holding 100 fowls. In connection with the house an incubator cellar has been built, in which have been placed one 390-egg capacity Cyphers incubator and one 144-egg capacity incubator. Adjoining the incubator is the brooder house which contains one 600-chick capacity coal stove brooder. The poultry plant affords practical work to all students desiring to learn the practical side as well as the theoretical. The aim of the department is to develop efficient, capable, conservative poultrymen.

We have three breeds of poultry known for their production of market fowls and eggs, namely; The Plymouth Rocks, The Wyandottes, and White Leghorns.

E—COURSES IN CHEMISTRY AND PHYSICS

Equipment.

The chemical laboratory is well equipped with suitable apparatus and necessary chemicals for the study of general as well as agricultural chemistry.

Among the most expensive apparatus may be mentioned Hoffman's apparatus for decomposition and recombination of water, fat extraction apparatus, chemical balances, soil analysis apparatus, hot plates, copper, air and water baths, apparatus for analysis of baking powders, water analysis, etc.

In short, the equipment of the department is first-class in every respect, and in some lines it is perhaps second to that of no other institution in the State.

While the equipment for the work in Physics is not so complete as that in Chemistry, the Department has made and purchased sufficient apparatus to illustrate on the lecture table the more important laws of Physical Science. The equipment consists of a Lever Air Pump with oxydized brass barrel and accessories, an Atwood's machine, Port Lummere and Stereopticon for projection work, a set of Vacuum and Spectrum Geissler tubes containing residuum gases, Ruhmkorff Induction coil, a Hoffman's Graduated Eudiometer, an assortment of batteries and Leyden jars for induction and distribution of electricity, compound microscopes, pulleys, balances, pumps, sonometer and a general assortment of lecture table apparatus. The lecture room can be made dark at any time for illustration with the stereopticon or Port Lummere. The lecture table is fitted with water, gas and electricity.

The department has recently purchased some of the latest apparatus for Soil Physics which includes a ball-bearing balance, 50 cc. flasks with ground glass stoppers drawn out to an open capillary tube for specific gravity work; brass tubes $12\frac{1}{2} \times 1\frac{7}{8}$ inches inside measurement for the determination of volume weight, apparent specific gravity and porosity of soils, apparatus to determine the power of loose and compact soils to retain moisture, a set of brass tubes $16 \times 1\frac{7}{8}$ inches inside measurement to show the rate of percolation of water through soils; a set of galvanized iron cylinders set in water jackets to show the effect of mulches or evaporation of water from soil; and a set of five glass tubes, $30 \times 1\frac{7}{8}$ inches inside measurement, for determining the capillary attraction of soils.

A detailed description of the courses offered by this department follows:

I.—GENERAL CHEMISTRY. Three credits. Required Course II. Physics.

Lectures are given on general chemistry, and experiments are performed before the students in the lecture rooms, which bear directly on and pave the way for Agricultural Chemistry. For Freshmen. Spring term. J. H. Bluford.

II.—GENERAL CHEMISTRY. Three credits. Required Course I. Chemistry.

Lectures and laboratory work. The student goes into the laboratory and carries on experiments for himself, illustrating the principles he has learned in the lecture room. Text: Mimeographed Notes. For Sophomores. Fall and Winter terms. J. H. Bluford.

III.—QUALITATIVE ANALYSIS. Three credits. Required Course II. Chemistry.

Laboratory work. During this term the student becomes familiar with testing and especially the elements which enter into the composition of plant and animal life. For Sophomores. Spring term. J. H. Bluford.

IV.—QUALITATIVE ANALYSIS. Two credits. Required Course III. Chemistry.

Laboratory work. Qualitative analysis completed, acids. Text: Notes. Juniors. Fall term. J. H. Bluford.

V.—AGRICULTURAL CHEMISTRY. Two credits. Required Course IV. Chemistry.

Lectures on the chemical composition of soils, plants and animals. The function of the various elements necessary for plant growth, and the various compounds for animal nutrition are discussed. For Juniors. Winter and Spring term. J. H. Bluford.

VI.—QUANTITATIVE ANALYSIS. Five credits. Required Course IV. Chemistry.

Instruction is given in the analysis of soils, fertilizers and feeding stuffs, the object to acquaint the student with the chemical composition of soils, fertilizers and feeding stuffs, so that he may intelligently make use of reports and bulletins of experiment stations dealing with the chemical composition of various agricultural products. For Seniors. Fall term. J. H. Bluford.

VII.—ANIMAL TOXICOLOGY. Two credits. Required Courses I., II., III. and IV. Chemistry.

Lectures are given on the poisonous plants and insects injurious to stock; the symptoms of poisoning; the pigments, insecticides, matches and vermin poison; the sources, elimination, and antidotes of stock poison, etc. For Seniors. Winter term. J. H. Bluford.

VII.—FEEDING. Five hours. Required Courses III. Agriculture and V. and VI. Chemistry.

The laws of nutrition and the composition of animal bodies are briefly discussed. The composition and digestibility, market and food values of the various food stuffs are discussed. Nutritive ratios and the practical application of same in compounding rations for the various farm animals are carefully considered. Collateral reading required. Text: *Feeding of Animals.*—*Jordan*. For Seniors. Spring term. Mr. Reid.

I.—PHYSICS.

The work of the first term consists of five lectures and recitations per week, the subjects covered being Mechanics, Hydraulics, Hydrostatics and Pneumatics. The lectures are fully illustrated, and the practical applications of principles clearly pointed out. Full notes are required, and also some reference work. For Sophomores. J. H. Bluford.

II.—HEAT, MAGNETISM AND ELECTRICITY. Three hours.
Course I. Physics desired. Course IV. Mathematics.

These subjects are discussed in an elementary way, and the fundamental principles are illustrated.

Practical work is done in wiring and hanging electric bells. Special attention is given to the various kinds of galvanic cells, their uses and relative values. The course is made as practical as possible, so that a student on leaving the college can take up the work of electrician.

III.—SOUND AND LIGHT. Three hours. Course II. desired, V. Mathematics.

This is a continuation of Courses I. and II. and the same methods are adopted. Sound is treated briefly, but light is given a greater proportion of time so as to familiarize the student with the construction and mechanism of the most important optical instruments and the part played by it in animal and vegetable growth.

IV.—PHYSICAL LABORATORY WORK. Three hours. Courses I., II. and III. required.

This work is designed to fix the principles learned in the previous lectures firmly in mind by performing the experiments used on the lecture table.

Subjects: Mechanics of Masses, Liquids, Gases, Heat, and Electrical Measurements.

TRADE SCHOOL COURSE IN AGRICULTURE

Students elect any agricultural industry they prefer but are required to spend at least a term in three different industries.

DAIRY INDUSTRY. Credit three hours, divided as follows:

90 minutes—Cleaning the dairy and barn; washing utensils; separation and bottling of milk; sterilizing milk vessels.

45 minutes—Lecture on methods of cleaning; dairy sanitation; why it is necessary to have all milk vessels clean; methods of milking; nature of bacteria; pure water supply; how disease can be carried by the water and milk supply; hygiene of persons handling milk.

45 minutes—Farm Arithmetic with special reference to dairy problems; measurement of barns, silos and dairy utensils; calculating dairy ration; elementary feeding.

GREENHOUSE. Credit three hours, divided as follows:

90 minutes—Cleaning green house; watering plants; potting plants; making greenhouse soils; transplanting to field; plot work; budding; grafting; care of campus; making flower beds; planting bulbs.

45 minutes—Elementary horticulture. Text-book: Plant Propagation by Goff.

45 minutes—Arithmetic—with reference to making of insecticides, fungicides and land measurement.

POULTRY INDUSTRY. Daily throughout year—credit three hours, divided as follows:

90 minutes—Care of poultry plants; whitewashing; disinfecting; mixing poultry feeds; feeding.

45 minutes—Poultry raising on the farm—Text-book: Watson.

45 minutes—Farm Arithmetic—Burkett.

FARM SOILS. Daily throughout year.

45 minutes—Study of various soil types, percolation of water through soils; specific gravity of soils; flow of air through soils; temperature of soils under varying conditions; capillarity of soils; water holding capacity of soils. Text Laboratory Manual—Stevens and Schaub.

45 minutes—Farm crops—Duggar, throughout the year.

45 minutes—Elementary Animal Husbandry—Text—Plumb's Animal Husbandry.

45 minutes—Farm Arithmetic—Completed text—Burkett and Swartzel.

FARM INDUSTRY.

Any student may take his industry at the farm where no fee will be charged. Practical work and instruction will be given in seed selection, planting and the growing of various farm crops.

DEPARTMENT OF MECHANIC ARTS

JAS. B. DUDLEY, President.

F. C. JOHNSON, Director and Instructor in Mathematics and Drawing.

W. N. NELSON, Instructor in Carpentry.

C. L. FOSTER, Instructor in Blacksmithing.

A. D. WATKINS, Instructor in Masonry.

_____, Instructor in Broom Making and Mattress Making.

L. P. BYARM, Instructor in Electricity and Drawing.

E. W. FISHER, Instructor in Machine Wood Working.

R. L. CAMPBELL, Instructor in Machine Shop Practice.

W. H. MARKHAM, Department Secretary.

From the beginning of the first year the student's time is spent in the lecture room, draughting rooms and shops. Students will be given the opportunity of visiting the various manufacturing establishments in the vicinity of the college where the practical applications of principles studied in the class rooms and laboratories are being made.

The first four years' work in this department is a trade school course. During his first year in the shops the student rotates from shop to shop by terms. After that time those wishing to complete a trade course will be required to select one industry and continue in it for three years. A certificate will then be given for proficiency if the course has been satisfactorily completed. For graduation from this department there will be required the successful completion of five years of shop work in addition to the work in academic and technical subjects mentioned in the outline of the course of study.

The making of estimates and the writing of specifications form an important part of each course.

EQUIPMENT

Buildings—The principal building is a two-story brick structure with basement. On the first floor are located the carpenter, lighting and plumbing and machine shops. The exhibit room is also on this floor. In the basement are the machine wood working and bricklaying shops, also the power and heating plant. The second floor contains the recitation, reading and drawing rooms and photograph studio.

The blacksmith shop is located in a one-story brick building at the rear of the main building. This is an up-to-date shop with the most modern equipment. An electric motor furnishes the necessary power.

The broom shop is a one-story frame building.

The reading room is provided with books of reference, and technical journals. Equipment in drawing consists of tables and drawing board. Students must provide themselves with instruments and T squares.

An A. C. generator has been installed and is used for experimental purposes and for lighting the shops and the main building. A central heating plant is located in the Mechanical Building. This furnishes opportunity to study the operations of an improved steam heating system. Instruction in the following lines of work has been provided:

Architecture, blacksmithing and general repairing, machine shop practice, hand wood turning, machine wood working, bricklaying and plastering, broom and mattress making, carpentry, cabinet-making, practical electricity.

All instruction in shop work is given with the aid of blue prints or of sketches made by the student himself.

SUBJECTS OF INSTRUCTION

I.—MECHANICAL DRAWING. Mr. Byarm.

This is a beginner's course in drawing. Instruction is given in the elements of orthographic projection and the principles



MECHANIC ARTS BUILDING

Third Year Trade School Class

Merrill's Speller, Book II, 20 cents; Lippincott's Physiology, Book III, 45 cents; Emerson and Bender's Modern English, Book II, 60 cents; Milne's Progressive Arithmetic, Book III, 41 cents; Holden's Real Things in Nature, 65 cents; Tarr's New Physical Geography, \$1.00; Ginn's New Educational Music Series, Book II, 30 cents; Chandler's Our Republic, 70 cents.

Fourth Year Trade School Class

Ancient History, West's, \$1.50; Ginn's New Educational Music Series, Book II, 30 cents; Emerson and Bender's Modern English, Book II, 45 cents; American Literary Reader, MacMillan, 70 cents; Merrill's Speller, Book II, 20 cents; Bookkeeping Outfit, Southwestern Pub. Co., \$1.50; Civil Government, Peele, 60 cents; Wentworth & Smith's Academic Algebra, \$1.00; Farm Arithmetic, Burkett, \$1.00; Animal Husbandry, Plumb, \$1.25.

Freshman Class

Wentworth & Smith's Academic Algebra, \$1.00; Hunt and Burkett's Farm Animals, \$1.50; Modern History, West's, \$1.50; Scott and Denney's Rhetoric, \$1.00; Literary Masterpieces (American), 80 cents; Merrill's Speller, 20 cents; Current Events, Educational Press Co.; Ginn's New Ed. Music Series, Book III, 35 cents; Drawing Set, \$5.00

Sophomore Class

Hart & Feldman's Plane and Solid Geometry; Physics, Bergen, \$1.25; Snyder's Chemistry, \$1.50; New Ed. Music Series, Book IV, 40 cents; Plumb's Animal Husbandry, \$1.25; Robinson's Principles of Poultry Husbandry, \$1.25; Van Slyke's Dairying, \$1.00.

Junior Class

Conn's Bacteriology, \$2.00; Shaw's Animal Breeding, \$1.50; Dugger's Field Crops, \$1.75; Van Slyke's Modern Methods of Testing Milk, \$1.00; Bailey's Principles of Fruit Growing; Merriman's Elements of Mechanics, \$1.00; Hart & Feldman's Plane and Solid Geometry, Merrill's Speller, Book II; Ginn's New Ed. Music Series Book V, 50 cents.

Senior Class

King's Agricultural Physics, \$1.75; Sanderson and Jackson's Entomology, \$2.00; Robinson's Poultry, \$2.50; Davidson's Agricultural Engineering, \$1.50; Moritz' Trigonometry, \$1.50; Ginn's New Ed. Music Series, 50 cents; Bailey's Plant Breeding, \$1.25; Snyder's Chemistry of Plant and Animal Life, \$1.50; Noye's Qualitative Analysis; Merriman's Strength of Materials, \$1.00; Merriman's Hydraulics, \$1.00; Ely-Wicker's Principles of Economics, \$1.00.

MILITARY DRILL

Capt. D. K. Cherry (Wilberforce), Instructor

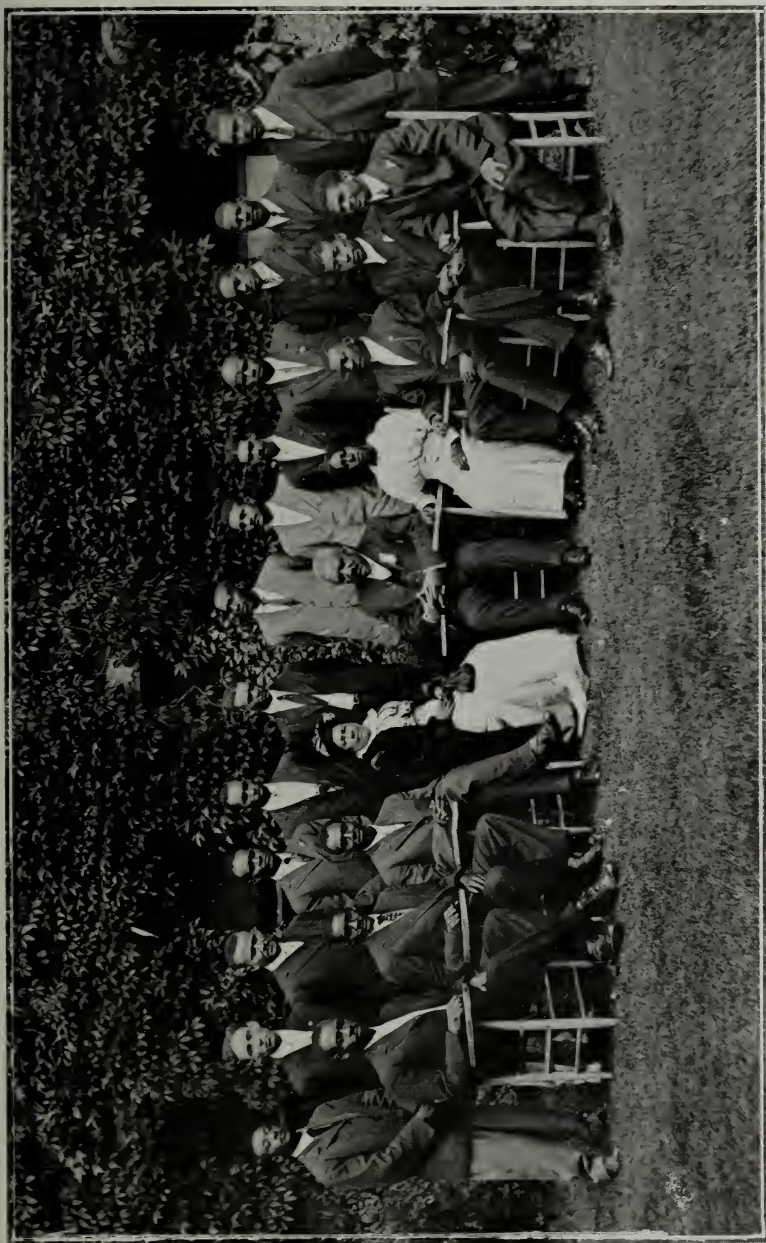
We have a modified system of military drills. The aim of this phase of our work is not to make soldiers, but to give as much as possible of the moral and physical training of a military cadet organization. There is perhaps no way by which the ability to act in conjunction with others, obedience to law and authority, and habits of neatness, punctuality, and self-control are so readily acquired as by military training. And, besides, the daily drills and "setting-up" exercises not only give each person moderate and stimulating exercise, but tends to straighten out round shoulders, and to expand narrow chests, and to produce an erect and graceful carriage.

There is at present a battalion of two companies, officered entirely by students. Every able-bodied student is assigned to one of the two companies. Drills are given in close and extended order by squad, company, and battalion. There are frequent parades, reviews, and inspections. Instruction is given in signaling; and lectures are given from time to time on modern projectiles, explosives, and army life by engineers, chemists, and persons who have seen service in the regular army.

Books used: United States Drill Regulations, United States Field Service Regulations, Butt's Manual.

TEMPERANCE SOCIETY

A Temperance Society has been organized among the students. The purpose of this organization is to keep our students in touch with the great prohibition forces that are at work in all parts of the world, and to instill in them a desire to be temperate in things that are good and to abstain from those things that are evil. Monthly meetings are held at which time the young men, who are not members, are given an opportunity to sign the following pledge: I promise to abstain from



PRESIDENT AND ALUMNI OF A. AND T. COLLEGE

the use of alcoholic liquors as a beverage; to abstain from the use of tobacco and other narcotics; to abstain from the use of profane and obscene language.

The following young men are members of the Temperance Society:

Allen, E.	Hicks, John	Reeves, J. M.
Anderson, A. A.	Hill, Chas.	Reinhardt, W. M.
Bausley, I.	Hines, W. W.	Richardson, A.
Beatty, C. G.	Holt, G. W.	Robinson, R. A.
Beatty, E. M.	Hooper, W. R.	Sartor, P.
Bell, McKinley	Horne, C.	Sellars, C. C.
Bizzell, B. H.	Howe, R. W.	Setzer, J. L.
Blackburn, V.	Hylton, F. H.	Sims, J. S.
Broadhurst, K. E., Treas.	Jackson, A. F.	Small, W.
Broadnax, N.	Jones, C. R.	Smith, F. D.
Buttler, W. E.	Jones, E. D.	Spearman, J. W.
Cain, D. C.	Jordan, Edwin	Steadman, J. G.
Chambers, Thomas	Jordan, F. D.	Stevens, C.
Clack, Eramus	Kirkpatrick, H. M.	Sumner, V. M.
Clark, A. H.	Lewis, C. F.	St. Clair, C. C.
Cobb, J. H.	Loften, J. W.	Tharpe, S. T.
Crawford, R. C.	Long, J. H.	Thomas, J. B.
Cundiff, Frank	Long, Monroe	Thomas, W.
Cundiff, Leroy	May, L.	Thompson, W. L.
Daniel, A.	Meachem, J. T.	Threadgill, J. T.
Davis, R. W.	Miller, L. P.	Tonkins, I. E.
Dickens, S. S.	Moore, J. H.	Townsend, L. W.
Edwards, W. A.	Mosby, A., Editor	Tucker, J. H., Pres.
Eggleston, F.	McBride, F. J.	Turner, S. N.
Eley, S. S.	McCormick, G. C.	Tynes, A.
Fisher, E. L.	McDonald, R. L.	Waddell, W. T.
Foster, W. H.	McEachin, G. M.	Wall, A.
Foushee, C. F.	McIver, J. S.	Wall, J. L.
Gooden, J. H.	McKellar, W. M.	Watlington, J.
Gravely, W. H.	McLean, E.	White, E. A.
Graves, W. N.	McLeod, C. W.	White, J. E.
Greene, J., Sec.	O'Neal, J. C.	White, J.
Grass, W. E.	Owens, A. B.	Whiting, B. H.
Gwaltney, J. S.	Peterson, J. T.	Whitted, J.
Haley, S. A.	Polk, L.	Williams, A. R.
Hathaway, W. B.	Price, I. D.	Williams, F. D.
Hardy, D. W.	Quinn, J.	Wilson, O. M.
Hawthorne, W. A.	Reddrick, E. M.	Wynns, C. S.

LIST OF GRADUATES

1899

"No steps backward."

- Cheek, W. T. C., B. S., Col. High School, Instructor in Manual
Training and PhysicsCharlestown, West Va.
Cunningham, I. C., B. S., M. D., PhysicianOwensboro, Ky.
Curtis, A. W., B. Agr., M. S. A., Head of Department of Agri-
culture, West Virginia Col. InstituteInstitute, W. Va.
Falkener, E. L., B. Agr., FarmerWarrenton, N. C.
Joyner, J. M., B. Agr., Postoffice Clerk, 1330 S. Market Street,
Philadelphia, Pa.
*Robinson, P. E.Raleigh, N. C.
*Watson, A.Greensboro, N. C.

1900

"By our efforts we rise."

- *Best, C. H.Grover Hill, N. C.
Green, J. H., M. S., Medical Student, Temple Univ.....Philadelphia, Pa.
Moore, R. D., B. Agr., Postal ClerkWilmington, N. C.
Neal, J. P., B. S.1119 G St., N. E., Washington, D. C.
Plummer, E. S., B. S., Mechanic.....35 West 21st Street, New York City
*Quick, J. R.Laurinburg, N. C.
Robinson, Chas., B. S., Official Photographer.....Tuskegee Institute, Ala.

1901

"Fortune favors the brave."

- Colson, E. F., B. Agr., Instru. in Agr. J. K. Brick Sch.....Bricks, N. C.
Edwards, G. A., M. S., Teacher, Manual Training, Shaw
UniversityRaleigh, N. C.
Grimes, Frances T., B. S.54 Mountain St., Asheville, N. C.

1902

"After the contest victory."

- Bullock, Mrs. H. A., B. S. HousekeeperGreensboro, N. C.
*Henderson, A. P., B. Agr.Chicago, Ill.
Hepler, T. H., B. Agr.
Holcome, A. J. P., B. Agr.Raleigh, N. C.
Garrett, Mrs. F. E., TeacherGreensboro, N. C.



HORSE SHOE BENDER
INVENTED BY C. L. FOSTER, CLASS OF 1908

Mebane, A. L., B. Agr., M. S. A., Farm Supt. A. & T. College,
Greensboro, N. C.
Quinn, Wm., B. S., Plumber Raleigh, N. C.
White, W. A., B. Agr.

1903

"More beyond."

Alexander, W. G., B. S., Engineer.....Elton St., Brooklyn, N. Y.
Amey, Chas. C., B. S., M. & F. BankDurham, N. C.
Burnett, A. C., B. Agr., Teacher Agr., State College.....Nashville, Tenn.
Forney, H. G., B. Agr., Agriculturist, J. K. Brick School.....Bricks, N. C.
Haywood, Burke, B. S., Mechanic
Holmes, J. W., B. S., Architect, St. Augustine School.....Raleigh, N. C.
Hunter, C. C., B. Agr., TeacherWest Raleigh, N. C.
Jefferson, C. B., B. S.Warrenton, N. C.
McLendon, J. R., B. S.
Robinson, R. R., B. Agr., Medical Student, Meharry Medical
CollegeNashville, Tenn.
Robinson, W. F., B. Agr., Asst. FloristTuskegee Institute, Ala.
Yores, Edward, B. S.824 N. 13th St., Philadelphia, Pa.

1904

"Through the dust to the stars."

Chance, W. C., B. Agr., Pres. Parmele Industrial Inst.....Parmele, N. C.
Greenlee, Percy C., B. Agr.
Jones, L. A., B. Agr.Rocky Point, N. C.
Oldham, A. A., B. S., ArchitectChestnut St., Greensboro, N. C.
Ramseur, L. L., B. Agr., TeacherNewton, N. C.
*Reaves, W. V.Glendon, N. C.

1905

"Thus ends our first lesson."

Hooper, L. B., B. S.
Johnson, J. I., B. Agr., Dairyman,407 E. Euclid Ave., Detroit, Mich.
Lamb, W. M., B. Agr., TeacherClaremont, Va.
Richie, E. W., B. S.25 Wolwick St., Spartanburg, S. C.
Turner, R. R., B. S., TinnerWest Raleigh, N. C.
Watson, P. P., B. S., Teacher of Man. Training.....Claremont, Va.

Specials

Jones, G. W., CarpenterMebane, N. C.
Prather, E. A.Hayti St., Raleigh, N. C.

1906

"Our Aim, Victory."

*Ford, I. R., B. S.	
Greenlee, N. B., B. Agr.	.....New York City
Hawkins, J. A., B. S., Mechanic	.....Cary, N. C.
Johnson, W. T., B. Agr	.....P. O. Clerk, Detroit, Mich.
McRae, S. D., B. Agr., Insurance Mgr.	.....Edenton, N. C.
Rand, John Milton, B. Agr.	.....1833 Fourteenth St., N. W.
	.....Washington, D. C.
Stewart, Needham, B. Agr., Dairyman	.....Laurinburg, N. C.

Special, With Short Course Certificates

Baldwin, M. L., Rev.	.....Wilmington, N. C.
*Lee, Jas. A.	.....Thomasville, N. C.
Faduma, Orishatukeh, Rev., Teacher	.....Sierra Leone, West Africa

1907

"Climb tho' the rock be rugged."

Caesar, Robert, B. Agr., Stonecutter	.....Wilder, Va.
Carter, O. H., B. Agr., Farm Demonstrator	.....Parmele, N. C.
Donnell, Clyde, B. Agr., M. D.	.....463 Cole Street, Greensboro, N. C.
Davis, Chas. G., B. S., Teacher of Manual Training, Normal	
School	.....Henderson, N. C.
Keck, William, B. Agr., Teacher, W. U. Academy	.....Rutherfordton, N. C.
Rivera, T. A., B. Agr., Bookkeeper	.....Fayetteville St., Durham, N. C.
Scott, Chas. A., B. Agr., Contractor	.....520 Spruce St., Goldsboro, N. C.
Smith, Edward, B. S.	.....911 E. Market St., Greensboro, N. C.
Truman, J. C., B. S.826 Nebraska Ave., Kansas City, Kansas
Williams, M. W., B. Agr., TeacherHalifax, N. C.

Special

*Leach, ThomasPittsboro, N. C.
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1908

"Lifting as we climb."

Alston, A. J., B. Agr.Philadelphia, Pa.
Bailey, N. A., B. Agr., U. S. Farm Demonstrator, A. & T.	
College	.....Pittsboro, N. C.
Baldwin, Seaton, B. S.	.....1539 South St., Philadelphia, Pa.
Cotton, Samuel, B. S.	.....2311 Seventh Ave., Philadelphia, Pa.
Darden, A. N., B. Agr., Undertaker	.....110 Pender St., Wilson, N. C.
Flow, Baxter D., B. Agr., Teacher	.....331 S. Long St., Charlotte, N. C.

Foster, Chas. L., B. S., Teacher of Blacksmithing, A. & T.

College Greensboro, N. C.
Harrison, M. L., B. S., Blacksmith, Howard Orphanage,

King's Park, N. Y.

Harrison, R. H., B. S., Blacksmith York, S. C.

Johnson, Enoch J., B. Agr. Cheraw, S. C.

Lamb, J. L., B. S., Teacher.....1527 Outten Street, Norfolk, Va.

McGimpsey, J. R., B. Agr. Morganton, N. C.

Merrick, Edward R., B. Agr., Director N. C. Mutual Ins. Co.

Durham, N. C.

*Powell, Wylie, B. Agr. Wilson, N. C.

Reid, Chas. B., B. Agr., Teacher, A. & T. College.....Greensboro, N. C.

Smith, John H., B. Agr., Farmer Raleigh, N. C.

Spaulding, John W., B. S., Instructor Tuskegee Institute, Ala.

Special

Holmes, W. H., Caterer3529 Market Street, Philadelphia, Pa.

1909

"Service, Our Mission."

Barnes, B. W., B. Agr., Dairyman, A. & T. College.....Greensboro, N. C.

Berry, Richard, B. Agr., BookkeeperBox 63, Laurinburg, N. C.

Crawford, J. L., B. S., D. D. S.....405½ Felix Street, St. Joseph, Mo.

Davis, C. J., B. Agr., Janitor, Widener Memorial School,

Philadelphia, Pa.

Davis, J. H., B. Agr.Tarboro, N. C.

Evans, Edward, B. S., Teacher of Mathematics, Lincoln

AcademyKing's Mt., N. C.

Gill, Jas. C., B. Agr., Insurance Agent,

220 Wooster St., Wilmington, N. C.

Mabery, Samuel, B. S., CarpenterCatawba, N. C.

Markham, W. H., B. S., Ass't. Mech. Arts Dept., A. & T.

CollegeGreensboro, N. C.

Mask, J. D., B. S., Teacher, Manual Training, Mary Potter Mem.

SchoolOxford, N. C.

Mitchell, John W., B. Agr., Instructor, State Nor. School,

Fayetteville, N. C.

Nelson, Fer. D., B. S.

Price, P. B., B. Agr., Bookkeeper.....Box 63, Laurinburg, N. C.

Webb, H. E., B. Agr., Farmer.....Route 4, Mebane, N. C.

Wray, John D., B. Agr., State Organizer of Boys Corn

ClubsGreensboro, N. C.

Waugh, George, B. Agr.Route No. 4, Greensboro, N. C.

Wilkins, J. W., B. Agr.213 Coutts St., Richmond, Va.

Two-Year Course Certificates

Ingram, W. H., FarmerAnsonville, N. C.
 Jordan, J. F., Farmer

1910

"Deeds, Not Words."

Bunn, Roger Edgar, B. Agr., Student Howard Uni., Washington, D. C.
 Dixon, Cornelius Vanderbilt, Student, Meharry Med. Col.,
 Nashville, Tenn.
 Johnson, Alonzo Bernard, B. Agr., Teacher of Agriculture,
 Berry O'Kelley Training School.....Method, N. C.
 Lawrence, Cephas Warrick, B. Agr., Principal Graded
 SchoolGreensboro, N. C.
 *Lewis, Needham RoscoeSelma, N. C.

Two-Year Course Certificates

Waugh, Sterling Thomas, Truck Farmer.....R. No. 4, Greensboro, N. C.

1911

"Life is What We Make It."

Bryant, W. H., B. S. A., M. D.....Henderson, N. C.
 Byarm, L. P., B. S. M., Instructor A. & T. College.....Greensboro, N. C.
 Busbee, R. L., B. S. A., Student Howard Univ.Washington, D. C.
 Mask, J. W., B. S. M., Teacher of Manual Training, Colored
 Graded SchoolWashington, N. C.
 Moseley, Welton, B. S. A., D. D. S.Charlotte, N. C.
 Sanders, M. S., B. S. M., Teacher of Broom-making, Biddle
 UniversityCharlotte, N. C.
 Slade, S. W. R., B. S. A., FarmerKnightdale, N. C.
 Williams, F. B., B. S. A., Truck Farmer, 608 Beaver St.,
 Jacksonville, Fla.

1912

"Conquering and to Conquer."

Brooks, Samuel T., B. S. A., Instructor, Howard Orphanage,
 King's Park, L. I.
 Guess, William H., B. S. A.223 Vine Street, Goldsboro, N. C.
 Holden, Percy, S., B. S. M., Student Howard Uni.....Washington, D. C.
 McConnell, William I., B. S. A., MerchantGreensboro, N. C.
 Pope, J. Israel, B. S. M., Teacher of Mechanic Arts, Morristown
 Ind. CollegeMorristown, Tenn.
 Shuford, Jas. S., B. S. M., Plasterer
 Wharton, Fletcher Decatur, B. S. A., Instr. State Normal
 SchoolWinston-Salem, N. C.

1913

"Labor Conquers All."

- *Barber, John H., B. S. A.Concord, N. C.
 Burnett, Foster F., B. S. A., Dental Student, Howard Univ.,
 Washington, D. C.
 Christmas, Lawrence D., B. S. A., Student, University of Pa.
 3911 Olive Street, Philadelphia, Pa.
 *Headen, Guy C., B. S. A.Greensboro, N. C.
 Leak, Henry C., B. S. A., TinnerRockingham, N. C.
 Love, Geo. B., B. S. M., Registrar and Bursar, A. & T. College,
 Greensboro, N. C.
 McNeill, Claudius W., B. S. M.Student Lincoln Univ., Pa.
 Reid, James E., B. S. M., Instructor, St. Augustine's School,
 Raleigh, N. C.
 Virgo, David C., B. S. A., Principal Williston Industrial School,
 Wilmington, N. C.

Two-Year Course Certificates

- Harvey, Harrington, Intr. in Manual Training, Col. High School,
 Athens, Ga.
 *Hollomon, H., CarpenterAhoskie, N. C.
 Reynolds, Walter R., MerchantGreensboro, N. C.

1914

"For Home, For State, For Country."

- Curry, J. W., B. S. A., Insurance AgentRocky Mount, N. C.
 Dupree, D., B. S. A., TeacherFarmville, N. C.
 Dupree, J. R., B. S. A., FarmerFarmville, N. C.
 Hollomon, H., B. S. M., Instructor, High Point Normal School,
 High Point, N. C.
 Lee, D. W., B. S. A., TeacherLima, Oklahoma
 McRae, John A., B. S. A., FarmerRaeford, N. C.
 Rieves, Caswell B., B. S. A.138 W. 139th Street, New York City
 Roberts, George, B. S. A., Prin. Col. Graded School.....Reidsville, N. C.
 Scurlock, D. P., B. S. A., FarmerPinehurst, N. C.
 Simmons, S. B., B. S. A., Student in Agr.....Univ. of Ill., Champaign, Ill.
 Thibodeaux, O. W., B. S. M., Insurance AgentGreensboro, N. C.
 Watlington, James M., B. S. A., TeacherLima, Oklahoma

1915

"Being, not Seeming."

- Adams, Bilton F., B. S. A., Pullman PorterBraddock, Pa.
 Blount, Dutch, B. S. A., Pullman Porter46 W. 136th St. N. Y. C.

Coles, Russell, B. S. A., care Barnett Hospital	Huntington, W. Va.
Floyd, H. H., B. S. A., Prin. Col. Graded School	Farmville, N. C.
Gilmer, Prather, B. S. A., Pullman Porter	897 Grant Ave., N. Y. C.
*Hollomon, Raleigh B., B. S. M.	Ahoskie, N. C.
Lackey, Elam C., B. S. A., Farmer	Hiddenite, N. C.
Sapp, John W., B. S. M., Insurance Agent	Greensboro, N. C.
Thomblin, H. P., B. S. A., Caterer	Saratoga Springs, N. Y.
Ward, Roscoe, B. S. A., Instr. in Agriculture, Mayesville Inst.,	Mayesville, S. C.

Two-Year Course Certificates

Bryant, J. L., Carpenter	City Point, Va.
Burgess, C. C., Student, Temple Univ.	Philadelphia, Pa.
Lay, B. A., Mechanic	1109 32nd Street, Newport News, Va.
Overby, W., Bricklayer	Raleigh, N. C.
Smelley, V. P., Student, Temple Univ.	Philadelphia, Pa.

1916

"Not Wealth, but Service."

Cobb, J. H., B. S. M., Broom Maker	Greenville, N. C.
Coppage, J. E., B. S. M., Carpenter	Norfolk, Va.
Hill, C., B. S. A., Grocer	Greensboro, N. C.
McDonald, G., B. S. A., Dairyman	Windsor, N. C.
Morrow, W. E., B. S. M., Carpenter	Greensboro, N. C.
Polk, L., B. S. A., Farmer	Raleigh, N. C.
Reeves, P., B. S. A., Farmer	Greensboro, N. C.
Setzer, J. L., B. S. A., Instructor in Agriculture, N. T. School,	Durham, N. C.
Smith, L., B. S. M., Bricklayer	Merry Hill, N. C.

Four-Year Trade School Certificates

Broadhurst, K. E., Blacksmithing	Seven Springs, N. C.
Green, J., Blacksmithing	Harrisville, N. C.
Hunt, W. V., Agriculture	Roaring River, N. C.
McIver, J. S., Bricklaying	Cumnock, N. C.
Stultz, C. C., Agriculture	Madison, N. C.

Industrial Certificates

Bowen, Theodore, Dairying	Williamston, N. C.
Cobb, John H., Broom Making	Greenville, N. C.
Green, Solomon, Dairying	Atlanta, Ga.
Long, John H., Broom Making	Lilesville, N. C.
Morrow, William E., Carpentry	Greensboro, N. C.
Rooks, Leonidas E., Hand Wood Turning	Greensboro, N. C.
Smith, Leopold, Bricklaying	Greensboro, N. C.

*Deceased.

GRADUATES OF THE PREPARATORY DEPARTMENT

Class of 1900

Alston, Sarah V. (Miss)	Raleigh, N. C.
Carter, Alma J. (Miss) Teacher	Reidsville, N. C.
Colley, J. C.	Durham, N. C.
Cotton, Lillian (Miss)	Chester, N. C.
*Davis, L. E.	Wilmington, N. C.
Davis, Mary O. (Miss)	Hillsdale, N. C.
Davis, R. T.	Wilmington, N. C.
*Dudley, S. Inez (Miss)	Greensboro, N. C.
Dunham, P. Wm.	Euloria, S. C.
Farrington, Bertha (Miss)	Greensboro, N. C.
Hooper, T. H.	Winston, N. C.
Jeffreys, Annie F. (Miss)	Petersburg, Va.
Jones, Estella D. (Miss)	Chapel Hill, N. C.
McKenzie, Sara P. (Miss) Teacher	Greensboro, N. C.
Pritchett, Nannie L. (Miss)	Greensboro, N. C.
*Quick, Knox S.	Laurinburg, N. C.
Richardson, M. L. (Miss)	Wilmington, N. C.
Simmons, Victor W.	Statesville, N. C.
Strong, Andrew J., M. D., Physician	Norfolk, Va.
Willis, Josie H. (Miss)	Wilmington, N. C.
Wilson, Lillie B. (Miss)	Hillsboro, N. C.
Witherspoon, Annie F. (Miss)	Greenville, N. C.
Wooten, David	Princeville, N. C.
Wright, Annie C.	Danville, Va.

Class of 1901

Gwyn, Cecil B. (Miss)	Greensboro, N. C.
*Jones, Georgia (Miss)	Raleigh, N. C.
Jackson, N. E., M. D., Physician	Laurinburg, N. C.
Logan, Erkwood	Gale, N. C.
*Lipscombe, Hattie B. (Miss)	Newport News, Va.
Mapp, Sadie (Miss)	Philadelphia, Pa.
Palmer, Dinah (Miss)	Church Hill, N. C.
*Reaves, W. V.	Greensboro, N. C.
Rankin, A. E.	Greensboro, N. C.
Reynolds, Mattie (Miss)	Waynesville, N. C.
Watson, Delia A. (Miss)	Grove Hill, N. C.

* Deceased.

N. B.—In order that this list may be kept accurately, graduates are requested to inform the President of any change in address, vocation, etc.

LIST OF STUDENTS 1915-1916

FIRST YEAR TRADE CLASS

Name	County	State
Allen, E.	Johnston	N. C.
Beatty, J. G.	Catawba	N. C.
Beverly, R.	Anson	N. C.
Bowser, J. O.	Isle of Wight	Va.
Broadhurst, G. W.	Wayne	N. C.
Broadnax, N.	Rockingham	N. C.
Brooks, H.	Rockingham	N. C.
Clack, E.	Warwick	Va.
Cundiff, E. L.	Yadkin	N. C.
Dickens, S. L.	Pasquotank	N. C.
Eley, S. S.	Hertford	N. C.
Flannigan, W. E.	Wayne	N. C.
Freeman, M. H.	Johnston	N. C.
Hackney, E. W.	Chatham	N. C.
Hardy, D. W.	Isle of Wight	Va.
Hines, W. W.	Edgecombe	N. C.
Horne, U. C.	Anson	N. C.
Jones, D.	Johnston	N. C.
Kirkpatrick, H. M.	Chester	S. C.
Long, C.	Anson	N. C.
Long, S. M.	Anson	N. C.
McBride, F.	Union	N. C.
McDonald, R. L.	Greene	N. C.
McKellar, W. M.	Robeson	N. C.
McCormick, J. C.	Hoke	N. C.
McLean, M. E.	Moore	N. C.
Milton, W.	New Hanover	N. C.
Quinn, J. F.	Wayne	N. C.
Ratliff, W. E.	Anson	N. C.
Richardson, A.	Hamner	Ala.
St. Clair, C. C.	Beaufort	N. C.
Sellars, C. C.	Guilford	N. C.
Smith, G.	Guilford	N. C.
Spearman, J. W.	New Hanover	N. C.
Waddell, W. T.	Anson	N. C.
Wall, A.	Johnston	N. C.
Watson, B.	Johnston	N. C.
Williams, C. E.	Union	N. C.
Willis, J. F.	Moore	N. C.
Wharton, H. H.	Guilford	N. C.

SECOND YEAR TRADE CLASS

Name	County	State
Adams, D.	Wayne	N. C.
Armstrong, C.	Gaston	N. C.
Bausley, I.	Fayette	West Va.
Beatty, E. M.	Catawba	N. C.
Bizzell, B. H.	Wayne	N. C.
Blackburn, V.	Catawba	N. C.
Cain, D. C.	Robeson	N. C.
Chalmers, J. D.	Harnett	N. C.
Chalmers, R. B.	Cumberland	N. C.
Chambers, S. T.	Anson	N. C.
Clark, A. H.	Catawba	N. C.
Clark, M. L.	Catawba	N. C.
Craword, R. C.	Surry	Va.
Daniel, A. H.	Bucks	Pa.
Forshee, W. P.	Guilford	N. C.
Graves, A. F.	Guilford	N. C.
Green, S.	Fulton	Ga.
Guilford, R. A.	Saratoga	N. Y.
Gwaltney, G. W.	Norfolk	Va.
Gwaltney, J. S.	Essex	N. J.
Hackney, W. L.	Orange	N. C.
Hasty, L. H.		
Hawthorne, W. A.	Escambia	Ala.
Hayes, J. R.	Isle of Wight	Va.
Hockaday, C. B.*	Wake	N. C.
Holt, G. W.	Rowan	N. C.
Jackson, A. F.	Fayette	Ky.
Jones, E. D.	Robeson	N. C.
Lee, H. J.	Davidson	N. C.
Luton, C. E.	Bertie	N. C.
McEachern, G. P.	Hoke	N. C.
McLean, W. H.	Moore	N. C.
Malone, R. C.	Vance	N. C.
May, L.	Pike	Ala.
Reid, B. T.	Guilford	N. C.
Sartor, P.	Union	S. C.
Scales, J. L.	Guilford	N. C.
Smarr, G. V.	Orange	N. C.
Smith, F. D.	Allegheny	Va.
Smith, J. R.	Albemarle	Va.
Swann, W.	New Hanover	N. C.
Tharpe, S. T.	Wake	N. C.
Thomas, W.	Franklin	N. C.

Name	County	State
Thompson, A. L.	Guilford	N. C.
Thompson, W. L.	Duplin	N. C.
Tonkins, E.	Guilford	N. C.
Townsend, L. W.	Robeson	N. C.
Walker, J. B.	Currituck	N. C.
Watson, I.	Guilford	N. C.
White, J.	Buncombe	N. C.
Williams, A. R.	Halifax	N. C.
Williams, J. A.	Robeson	N. C.
Wilson, H.	Haywood	N. C.
Yarborough, S. E.	Lee	N. C.

THIRD YEAR TRADE CLASS

Alston, N.	Chatham	N. C.
Anderson, A. A.	Wake	N. C.
Beasley, W. S.	Baltimore	Md.
Bodie, C. R.	Edgecombe	N. C.
Burch, B.	Union	N. C.
Burnett, W. C. N.	Martin	N. C.
Cannady, B. H.	Franklin	N. C.
Davis, R. W.	Warren	N. C.
Dodson, H. D.	Mecklenburg	Va.
Duncan, V. K.	Greenville	S. C.
Edwards, W. A.	Alleghany	N. C.
Eggleton, F.	Roanoke	Va.
Ford, P. F.	Fulton	Ga.
Gooden, J. H.	New Hanover	N. C.
Gross, W. E.	Westchester	N. Y.
Hathaway, W. B.	Chowan	N. C.
Hawthorne, J. C.	Escambia	Ala.
Hicks, J.	Buncombe	N. C.
Howe, R. W.	New Hanover	N. C.
Lewis, C. T.	Northampton	N. C.
Loften, J. W.	Orange	N. C.
McLeod, C.	Lee	N. C.
Mask, W. A.	New Hanover	N. C.
Meachem, J. T.	Anson	N. C.
Morse, A. F.	Norfolk	Va.
Peterson, J. T.	Wayne	N. C.
Price, I. D.	Edgecombe	N. C.
Rooks, I. E.	Guilford	N. C.
Savage, H. B.	Halifax	N. C.
Sumner, V. M.	Lincoln	N. C.
Watkins, E. T.	Lawrence	Ala.

Name	County	State
Watlington, J.	Caswell	N. C.
Watlington, S.*	Caswell	N. C.
White, E. A.	Mecklenburg	N. C.
Williams, F. D.	Duplin	N. C.
Williams, R. F.	New Hanover	N. C.

FOURTH YEAR CLASS

Bell, McK.	Carteret	N. C.
Bowen, T.	Beaufort	N. C.
Broadhurst, K. E.	Wayne	N. C.
Burnett, C.	New Hanover	N. C.
Couch, C. H.	Orange	N. C.
Craig, C. C.	Orange	N. C.
Foushee, C. F.	Moore	N. C.
Foust, J. H.	Onslow	N. C.
Gravely, W. H.	Roanoke	Va.
Graves, W. H.	Buncombe	N. C.
Harris, F. R.	Clarke	Ga.
Hatcher, T. G.	Houston	Ala.
Hooper, W. R.	Haywood	N. C.
Hunt, W. V.	Wilkes	N. C.
Hylton, F. H.	Roanoke	Va.
Jordan, F. D.	Guilford	N. C.
Long, J. H.	Anson	N. C.
McIver, J. S.	Lee	N. C.
McRae, E. W.	Hoke	N. C.
Mosby, A.	Norfolk	Va.
Owens, A. B.	Bladen	N. C.
Parks, A.	McDowell	N. C.
Robinson, R. A.	Wake	N. C.
Robinson, S.	Cumberland	N. C.
Sands, E. L.	Dade	Fla.
Sparkman, W. O.	Durham	N. C.
Stanfield, F. W.	Guilford	N. C.
Stephens, C.	Roanoke	Va.
Stultz, C. C.	Rockingham	N. C.
Thomas, J. B.	Franklin	N. C.
Wall, J. L.	Johnston	N. C.
White, J. E.	New Hanover	N. C.
Wilson, O. M.	Richmond	N. C.

*Deceased.

FRESHMAN CLASS

Name	County	State
Armstrong, G. A.	York	S. C.
Bolden, J. L.	Caswell	N. C.
Brooks, C. R.	Guilford	N. C.
Butler, W. E.	Pasquotank	N. C.
Clark, J. H.	Beaufort	N. C.
Foster, W. H.	Guilford	N. C.
Green, J.	Montgomery	N. C.
Jones, C. R.	Macon	Ala.
Jordan, E.	Guilford	N. C.
Reddrick, E. M.	Richmond	N. C.
Reinhardt, W.	Lincoln	N. C.
Tucker, J. H.	Dinwiddie	Va.
Tynes, A.	Isle of Wight	Va.

SOPHOMORE CLASS

Doram, C.	Hamilton	O'io
Haley, S. A.	Hardin	Tenn.
McCormick, H. V.	Hoke	N. C.
Miller, L. P.	Roanoke	Va.
Reeves, J. M.	Fulton	Ga.
Small, W.	Moore	N. C.
Steadman, J. G.	Chatham	N. C.
Whiting, B.	Baltimore	Md.
Whitted, J.	Wayne	N. C.
Williams, D. P.	Wilson	N. C.

JUNIOR CLASS

Fisher, E. L.	Guilford	N. C.
Jenkins, J. D.	New Hanover	N. C.
Lesueur, J. R.	Cumberland	N. C.
Pinn, R. D.	Jefferson	Ky.
Threadgill, J. T.	Anson	N. C.
Wynns, C. S.	Bertie	N. C.

SENIOR CLASS

Cobb, J. H.	Pitt	N. C.
Coppage, J. E.	Norfolk	Va.
Davison, G. W.	Mecklenburg	N. C.
Hill, C.	Guilford	N. C.
McDonald, G.	Bertie	N. C.
Morrow, W. E.	Guilford	N. C.

Name	County	State
Polk, L.	Wake	N. C.
Reeves, P.	Louisa	Va.
Setzer, J. L.	York	S. C.
Smith, L.	Bertie	N. C.

SPECIALS

Beaver, D.	Wake	N. C.
Bryant, J. L.	Brunswick	N. C.
Hasty, L. A.	Union	N. C.
O'Neal, J. C.	Norfolk	Va.

DISTRIBUTION OF REGULAR STUDENTS BY COUNTIES OF NORTH CAROLINA

Alleghany	1	Johnston	6
Anson	10	Lee	3
Beaufort	2	Lincoln	2
Bertie	4	McDowell	1
Bladen	1	Martin	1
Brunswick	1	Mecklenburg	2
Buncombe	3	Montgomery	1
Carteret	1	Moore	5
Caswell	3	New Hanover	10
Catawba	5	Northampton	1
Chatham	3	Onslow	1
Chowan	1	Orange	4
Cumberland	3	Pasquotank	2
Currituck	1	Pitt	1
Davidson	1	Richmond	2
Duplin	2	Robeson	5
Durham	1	Rockingham	3
Edgecombe	3	Rowan	1
Franklin	3	Union	4
Gaston	1	Vance	1
Greene	1	Wake	6
Guilford	20	Warren	2
Halifax	2	Wayne	8
Harnett	1	Wilkes	1
Haywood	2	Wilson	1
Hertford	1	Yadkin	1
Hoke	4		

SUMMARY OF REGULAR STUDENTS

Alabama	6
Florida	1
Georgia	5
Kentucky	2
Maryland	2
North Carolina	156
New Jersey	1
New York	2
Ohio	1
Pennsylvania	1
South Carolina	5
Tennessee	1
Virginia	21
West Virginia	1
Total	205

SUMMER SCHOOL, 1915

Name	County	State
Alston, Lorena G.	Vance	N. C.
Atwater, Dora	Orange	N. C.
Avery, Myrtle	Pittsylvania	Va.
Bailey, Mary J.	Stokes	N. C.
Bell, Mittie	Chatham	N. C.
Bennett, Mamie L.	Anson	N. C.
Blackwell, Lillian B.	Pittsylvania	Va.
Bluford, F. D.	Guilford	N. C.
Bluford, Hazel D.	Guilford	N. C.
Boone, Blanche	Orange	N. C.
Brinkley, Estelle	Halifax	N. C.
Broadnax, Lucy B.	Rockingham	N. C.
Brown, Dora B.	Pittsylvania	Va.
Brent, Izora M.	Vance	N. C.
Bryan, Ester Vivian	Edgecombe	N. C.
Bullock, Hannah A.	Guilford	N. C.
Burrell, L. H.	Vance	N. C.
Burroughs, Ella	Durham	N. C.
Busbee, Cora E.	Greene	N. C.
Busbee, Estella	Greene	N. C.
Caldwell, Sarah V.	Orange	N. C.
Calvin, J. A.	Leon	Fla.
Campbell, Shidie Beatrice	Orange	N. C.
Cardwell, Diana	Guilford	N. C.
Carter, S. J.	Guilford	N. C.
Carter, W. H.	Orange	N. C.
Chipman, Florence L.	Guilford	N. C.
Chavis, Allie	Anson	N. C.
Chavis, Novella	Alamance	N. C.
Cherry, Pauline B.	Pitt	N. C.
Clapp, Mamie	Guilford	N. C.
Clark, Mabel M.	Guilford	N. C.
Cobb, Libby V.	Nash	N. C.
Conley, Nannie H.	Pittsylvania	Va.
Corbett, Margaret L.	Pittsylvania	Va.
Covington, E. A.	Richmond	N. C.
Dargan, Emma	Anson	N. C.
Darwin, Eva Pearl	Christian	Ill.
Davenport, C. L. G.	Guilford	N. C.
Davis, Annie D.	Rockingham	N. C.
Davis, Carrie J.	Pittsylvania	Va.
Davis, Cassie M.	Randolph	N. C.
Davis, Rebecca A.	Pittsylvania	Va.

Name	County	State
DeBerry, L. A.	Montgomery	N. C.
Dickson, Jemima L.	Guilford	N. C.
Dillard, Etta	Rockingham	N. C.
Donnell, Grace J.	Guilford	N. C.
Dortch, Mattie E.	Wayne	N. C.
Duck, Alene	Alamance	N. C.
Dudley, A. V.	Guilford	N. C.
Dunston, Flossie E.	Durham	N. C.
Dupree, Dennis	Pitt	N. C.
Eccles, Mary C.	Guilford	N. C.
Edwards, Effie M.	Chatham	N. C.
Edwards, Lula	Chatham	N. C.
Edwards, Nonie	Orange	N. C.
Elliott, Eugenie	Cumberland	N. C.
Elliott, Florence O.	Cumberland	N. C.
Evans, Ella	Wake	N. C.
Evans, M. Ethel	Fulton	Ga.
Evans, Sudie	Wake	N. C.
Fisher, E. W.	Guilford	N. C.
Ford, Maggie D.	Fulton	Ga.
Foster, M. E.	Guilford	N. C.
Foster, R. C.	Guilford	N. C.
Foushee, Della	Guilford	N. C.
Foust, J. M.	Guilford	N. C.
Foust, Sarah	Guilford	N. C.
Galloway, Blanche B.	Guilford	N. C.
Galloway, Irene	Guilford	N. C.
Galloway, Odessa M.	Guilford	N. C.
Galloway, Pearl	Guilford	N. C.
Gibson, Jettie	Guilford	N. C.
Golden, Annie J.	Granville	N. C.
Graves, Lydia M.	Guilford	N. C.
Green, Eula	Guilford	N. C.
Gregory, Mabel	Guilford	N. C.
Grice, Bennie A.	Johnston	N. C.
Gunn, J. F.	Rockingham	N. C.
Gunn, Mabel	Guilford	N. C.
Haith, Verta B.	Guilford	N. C.
Hall, Lilla C.	Rowan	N. C.
Hampton, Emma H.	Rockingham	N. C.
Harris, Augusta	Guilford	N. C.
Harris, Mae	Rowan	N. C.
Harris, Mary	Lee	N. C.
Harvey, Harrington	Guilford	N. C.
Headen, Bessie E.	Orange	N. C.

Name	County	State
Headen, Fannie B.	Guilford	N. C.
Headen, Roberta	Chatham	N. C.
Hepler, Hannah J.	Guilford	N. C.
Hill, Cora E.	Guilford	N. C.
Highsmith, Lizzie	Pitt	N. C.
Hines, J. J.	Robeson	N. C.
Houston, H. C.	Savannah	Ga.
Houston, Mary J.	Richmond	N. C.
Huyler, Fannie	Wake	N. C.
Jennings, Margaret L.	Guilford	N. C.
Johnson, Jennie	Rockingham	N. C.
Johnson, Mattie R.	Guilford	N. C.
Johnson, Sarah	Guilford	N. C.
Jones, Annie E.	Pasquotank	N. C.
Jones, Clara A.	Rowan	N. C.
Jones, Rosa	Guilford	N. C.
Jones, S. B.	Guilford	N. C.
Kearns, Crissie	Guilford	N. C.
Kirkpatrick, Carrie B.	Mecklenburg	N. C.
Koger, Mary	Guilford	N. C.
Kornegay, John I.	Sampson	N. C.
Lea, Annie	Guilford	N. C.
Lee, Della E.	Guilford	N. C.
Levister, J. M.	Franklin	N. C.
Lomax, Alice D.	Forsyth	N. C.
McAdoo, Alice	Guilford	N. C.
McAlpine, W. H.	Pulaski	Ark.
McCoy, Bessie C.	Anson	N. C.
McIver, Nonie L.	Cumberland	N. C.
McKay, W. M.	Montgomery	N. C.
Maloy, Zenobia M.	Guilford	N. C.
Marable, L. C.	Guilford	N. C.
Marshall, Donnie D.	Fulton	Ga.
Martin, Emily	Buncombe	N. C.
Martin, Ora L.	Guilford	N. C.
Matthews, E. P.	Rockingham	N. C.
Mays, M. Lollie	Rockingham	N. C.
Mimms, Elizabeth	Pittsylvania	Va.
Moore, Louise E.	Anson	N. C.
Morehead, Rena B.	Guilford	N. C.
Morgan, Adna	Forsyth	N. C.
Morgan, Sadie	Guilford	N. C.
Morgan, Sallie	Guilford	N. C.
Morris, Lucy Lee	Guilford	N. C.
Morton, Mary H.	Rockingham	N. C.

Name	County	State
Murphy, Virginia C.	Columbus	N. C.
Murphy, Mary J.	Northampton	N. C.
Neal, Bessie L.	Mecklenburg	N. C.
Nelson, Virginia	Guilford	N. C.
Newsome, Earleene	Guilford	N. C.
Newsome, S. G.	Granville	N. C.
O'Kelly, C. A.	Vance	N. C.
Pair, Lilly E.	Wake	N. C.
Perry, Mattie B.	Wake	N. C.
Perry, R. G.	Lee	N. C.
Phillips, Margaret	Lee	N. C.
Phillips, Nonie L.	Anson	N. C.
Phillips, Willie B.	Moore	N. C.
Phillips, W. H.	Forsyth	N. C.
Pickard, Della V.	Rockingham	N. C.
Pitts, Rozzie B.	Guilford	N. C.
Plunkett, Annie	Anson	N. C.
Porter, Maggie	Guilford	N. C.
Powell, Lelia J.	Guilford	N. C.
Quick, Minnie F.	Richmond	N. C.
Richardson, Isabella	Moore	N. C.
Roberts, Constance M.	Monroe	Fla.
Robinson, Lula E.	Rockingham	N. C.
Rogers, Alice M.	Wake	N. C.
Rogers, O. L.	Guilford	N. C.
Ruffin, Ida L.	Alamance	N. C.
Sanford, L. B.	Guilford	N. C.
Saulter, Ella F.	New Hanover	N. C.
Sellers, Effie B.	Alamance	N. C.
Sellers, Mildred	Guilford	N. C.
Sevier, Annia	Guilford	N. C.
Siler, Mata	Chatham	N. C.
Simmons, Z.	Guilford	N. C.
Smith, Johnsie	Guilford	N. C.
Smith, Theresa	Robeson	N. C.
Sparkman, B. L.	Durham	N. C.
Spearman, Mamie	Robeson	N. C.
Stanfield, Celia V.	Guilford	N. C.
Story, Hennie B.	New Hanover	N. C.
Taylor, Marjorie A.	Guilford	N. C.
Terry, Florence B.	Wake	N. C.
Thacker, Esther	Guilford	N. C.
Thompson, Cornelia	Guilford	N. C.
Troxler, Clara	Guilford	N. C.
Vincent, B. M.	Alamance	N. C.

Name	County	State
Virgo, David Clark	New Hanover	N. C.
Wallington, V. J.	Wayne	N. C.
Watson, Della A.	Warren	N. C.
Webb, Betsy Y.	Orange	N. C.
Webb, H. E.	Alamance	N. C.
Williams, Jessie C.	Wayne	N. C.
Williams, Pearl L.	Rockingham	N. C.
Williams, R. Beatrice	Pittsylvania	Va.
Womble, Emma G.	Guilford	N. C.
Wood, Albion T.	Guilford	N. C.
Wyche, Leonora T.	Vance	N. C.
Wynns, Martha P.	Franklin	N. C.
Yates, Maud	Guilford	N. C.
Young, Maria	Vance	N. C.

DISTRIBUTION OF SUMMER SCHOOL STUDENTS BY COUNTIES OF NORTH CAROLINA AND BY STATES

Alamance	6	Northampton	1
Anson	7	Orange	8
Buncombe	1	Pasquotank	1
Chatham	5	Pitt	3
Columbus	2	Randolph	1
Cumberland	3	Richmond	3
Durham	2	Robeson	3
Edgecombe	1	Rockingham	12
Forsyth	3	Rowan	3
Franklin	2	Sampson	1
Granville	2	Stokes	1
Greene	2	Vance	6
Guilford	71	Wake	8
Halifax	1	Warren	1
Johnston	1	Wayne	2
Lee	3	Arkansas	1
Mecklenburg	2	Florida	2
Montgomery	2	Georgia	4
Moore	1	Illinois	1
Nash	1	Virginia	10
New Hanover	2		
		Total	192

SUMMARY OF ALL STUDENTS FOR THE YEAR ENDING MAY 21, 1916

Alabama	6
Arkansas	1
Florida	3
Georgia	9
Illinois	1
Kentucky	2
Maryland	2
New Jersey	1
New York	2
North Carolina	330
Ohio	1
Pennsylvania	1
South Carolina	5
Tennessee	1
Virginia	31
West Virginia	1
Total	397
Number of States	16
Number of Counties of North Carolina	61

HONOR ROLL

The following are the regulations for the Honor Roll :

1. All students eligible for the honor roll must be regular students taking the full course.
2. They must have at least 95 per cent. deportment.
3. They must have a general average of not less than 85 per cent., and must not fall below 75 per cent. in any single subject.

STUDENTS ON HONOR ROLL SESSION 1915-1916

	Gen. Average	Deportment
McDonald, G. (Senior).....	86.33	100
Broadnax, N. (1st Yr. Trade).....	86.12	100

SUMMER SCHOOL

The seventeenth annual session of the A. & T. College Summer School will begin June 26, 1916, and continue five weeks. The Negro teachers of the State are invited to co-operate in building a strong State Summer School that will help to foster patriotism and bind together all who are interested in educational progress.

Specialists in Primary Method, School Management and all the common branches will be included on the staff of instructors.

Terms—Session, \$12.50; week, \$3.00; day, 75c.

The college is beautifully located and is an ideal spot for a pleasant summer resort.

For prospectus, etc., apply to President J. B. Dudley, Greensboro, N. C., or Dr. S. B. Jones, Director of the Summer School, Agricultural and Technical College, Greensboro, N. C.

THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE OF
NORTH CAROLINA

APPLICATION FOR ADMISSION

1. Name
2. Post-Office Address (city)
3. Street and Number R. F. D.
4. County State
5. Guardian's }
Parents' } Name
6. Home (Post-Office Address, city)
7. Age last birthday
8. What day do you expect to enter school?.....
9. Name of school you attended last
10. Give Postoffice address of your last teacher
11. Have you ever been dismissed, suspended or expelled from a
school?
12. Recommended by
13. Present work is
14. I desire to learn
15. Do you intend to take a full course and graduate? If so, what
course?
16. Do you intend to remain in college until the end of the session?
If not, how long do you intend to remain?.....
What subject do you wish to take that is not given?.....

In applying for admission, I promise, if accepted, to conduct myself in a manner becoming a gentleman, and to make proper use of the educational advantages offered. I promise to observe and obey the regulations of the institution.

(Applicant's signature)

Do not write below this line.

The applicant has been examined and assigned to.....Year Class
..... Dept. Classifier
Tuition Lodging Medical Fee
..... Bursar
Vaccination requirements satisfied, this.....191.....
.....M. D.

The above application approved.

.....President

No. Entered Page

(Over)

DIRECTIONS FOR ENTRANCE

The applicant will make the following payments :

Monthly Payments

Tuition, per month	\$1.00
Lodging—Use of room, bedding, etc., per month.....	1.00
Board, per month	6.00

Term Payments

Laboratory and Shop Fees	\$2.00
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Yearly Payments

Incidental Deposit	\$2.00
Registration fee, former students only	1.00
Matriculation fee, payable once, for new students only.....	5.00
Dining Hall Fee	1.00
Medical Fee	1.00
Library Fee	1.00
Athletic Fee .....	.50

These charges are payable strictly in advance.

No student can remain on the grounds longer than 24 hours without registering.

No student will be admitted in any department of the college without paying first month's expenses in advance.

JAS. B. DUDLEY, President

(Over)

taught are applied in the making of working drawings of simple objects.

The sketches which form the bases of the mechanical drawings are made from measurement of the objects by the student. Freehand work in making the sketches is insisted upon.

Special attention is paid to excellence in lettering.

Eight 45-minute periods per week throughout the Freshman year.

II.—ADVANCED MECHANICAL DRAWING. Mr. Johnson.

In this course the student begins the study of machine and architectural details and makes his drawing from measurements taken by himself. Six 45-minute periods per week during Sophomore year.

III.—MACHINE DRAWING. Mr. Byarm.

The student prepares for machine design by familiarizing himself with the proportions and the arrangement of various machines and their parts. The student begins with the work of dimensioning of elementary machine parts from sketches in magazines, text-books and of machines in the shops. This leads gradually to the making of working drawings of machines. Eight 45-minute periods per week throughout the Junior year.

IV.—MACHINE DRAWING AND DESIGN. Mr. Byarm.

At first the student is taught the design of tools and machines by having him consult freely the trade catalogues, and the working drawings of manufacturing concerns. The necessary theory for proportioning screws, bolts, keys, cotters, shafting, couplings, hangers, belts and rope drives, friction and toothed gearing and engine parts is given. Eight 45-minute periods per week throughout the Senior year.

V.—MATERIALS OF CONSTRUCTION. Mr. Byarm.

The student studies the principal materials that are used in building construction and in machine construction. Their uses, strength and general characteristics are discussed. The course

is given for two 45-minute periods per week during the Sophomore year.

VI.—STRENGTH OF MATERIALS. Mr. Byarm.

This course consists of a review of the principles of mechanics applicable to the behavior of materials under stress, the method of manufacture and the methods of testing. The mechanical theory of the subject is mainly discussed. The solution of practical problems forms a large part of this work. Three 45-minute periods per week during the Senior year.

Text-book: Merriman's *Strength of Materials*.

VII.—HYDRAULICS. Mr. Byarm.

Hydrostatics and the flow of water over weirs, and through orifices, pipes, and open channels are considered.

This course is also designed to make the student familiar with the several types of water wheels which are in common use today. The mechanical theory of the turbine and Pelton wheel is developed in detail. Two 45-minute periods per week during the winter and spring terms of the Senior year.

Text-book: Merriman's *Hydraulics*.

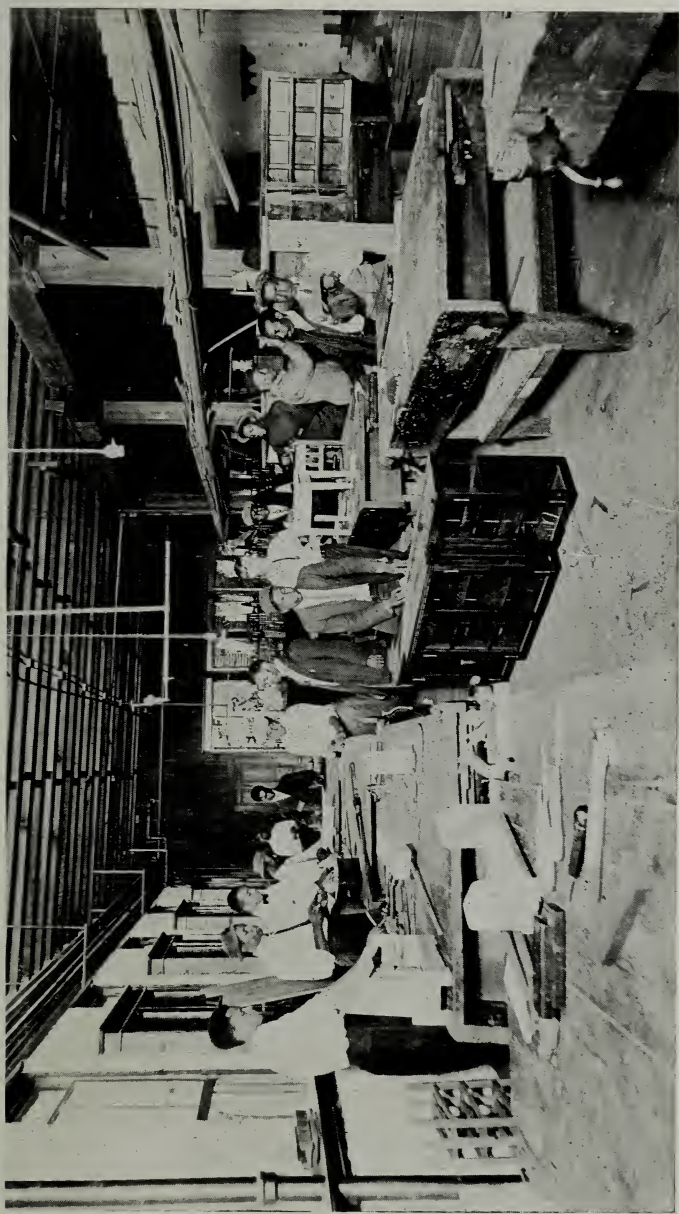
VIII.—STEAM ENGINES. Mr. Campbell.

The following subjects are treated: Types—simple, compound and triple expansion, automatic, rotary and turbines; care and management; indicators, indicated and brake horse power. Steam pumps are also considered in connection with steam engines.

A descriptive study of the various types and makes of steam generators in common use and the adaptability of each type to special localities is made, together with a consideration of combustion of fuels, boiler settings, boiler accessories, legal requirements. Three 45-minute periods per week during the fall and winter terms of the Junior year.

IX.—MECHANICS. Mr. Johnson.

This subject will be given throughout the Junior year. During the fall and winter terms the mechanics of solids will be



CARPENTER SHOP

taken up. During the spring term the mechanics of fluids and gases will be studied.

Special attention will be given to the graphical solution of all problems where such solutions can be used to advantage. Four 45-minute periods per week.

X.—POWER PLANTS. Mr. Byarm.

During the second term of the Senior year the student makes a complete study of power plants, including engines, boilers, pumps, and the more important features. Two 45-minute periods per week during the winter term of the Senior year.

XI.—ELEMENTS OF ELECTRICITY. Mr. Byarm.

This subject is begun in the Junior year with lectures and includes the practical application of electricity for power and light. During the winter and spring terms of the Junior year the student does laboratory work with a view to initiating him into the methods of connecting circuits, the making of measurements and the use of common apparatus and instruments. Three 45-minute periods per week throughout the Junior year.

XII.—HEATING AND VENTILATING. Mr. Byarm.

The course comprises lectures upon the various methods of heating and ventilating buildings. The development of systems of heating from the fireplace to the most modern systems now used is studied. In connection with the course the student takes practical work in steam-fitting and tin work adapted to furnaces and stoves. Three 45-minute periods per week during the winter term, Junior year.

XIII.—GAS ENGINES. Mr. Campbell.

The aim of this course is to give such theoretical knowledge of the working of the two and four-cycle gas engine as will enable the student to make ordinary repairs intelligently. There are two gasoline engines in the laboratories of the department that are used for practical demonstrations. The great popularity of the automobile makes it very desirable that every student graduating from a mechanical school should

have a knowledge of the gas engine. Course XII. required. Two 45-minute periods per week during the spring term of Junior year.

XIV.—MECHANISM. Mr. Johnson.

This course aims to give as clearly and concisely as possible the principles of mechanical motion so that they may be applied to any mechanism for determining the motion of its parts and to show the methods of dealing with problems of machine design. Two 45-minute periods per week during spring term Junior year.

XV.—ELEMENTS OF ARCHITECTURE AND ARCHITECTURAL DRAWING. Mr. Johnson.

The evolution of the art of building is considered and the artistic achievement—planning, decoration, etc., of each of the periods is studied with reference to its structural methods, materials and conditions.

The student is given the classical orders to draw in order to accustom his eye to good architectural proportions. Great stress is laid on getting the student to the stage where he can draw well, be neat and exact in pencil, pen, and wash drawings. Six 45-minute periods throughout the Junior year.

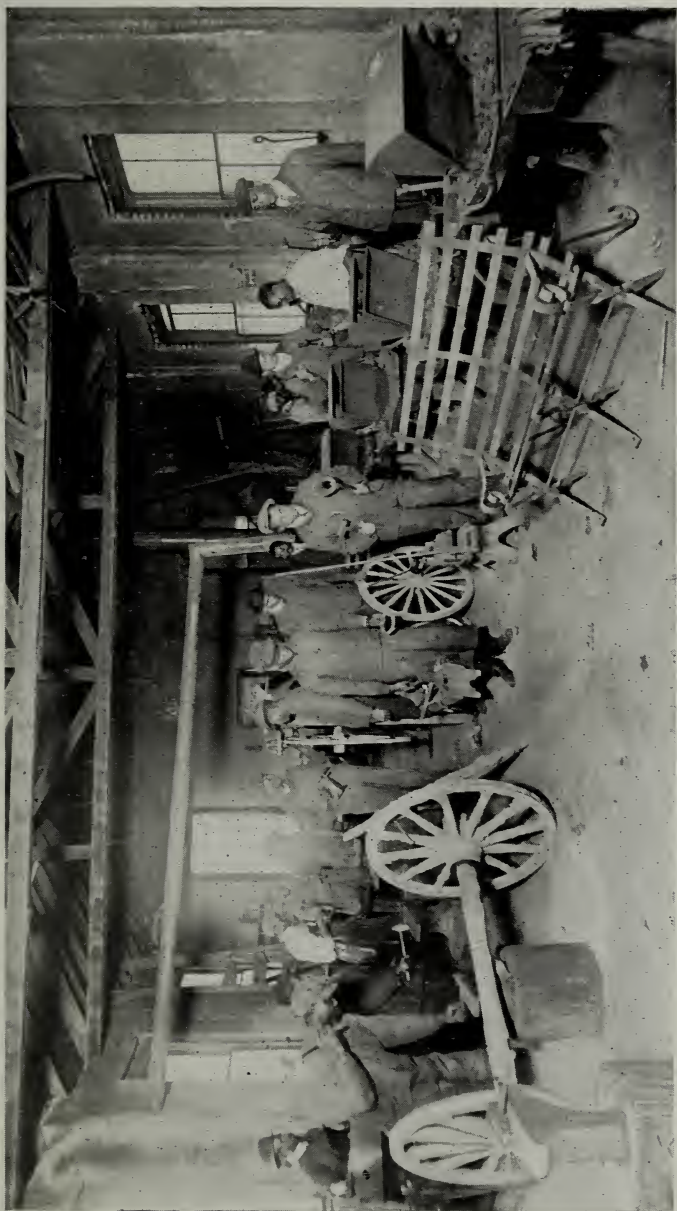
XVI.—ARCHITECTURAL DRAWING. Mr. Johnson.

The problems of this year are more extensive and are given to teach the student to think and reason correctly. He is made acquainted with the principles underlying the design of different kinds of buildings and the various requirements for such design. Six 45-minute periods throughout the Senior year.

SHOP WORK

I.—CARPENTRY. Mr. Nelson.

Each student in this course is given instruction in house carpentry, shop carpentry, cabinet making, wood carving, wood turning and practice on woodworking machinery.



BLACKSMITH SHOP

FIRST YEAR

The First Year Trade class will do elementary sloyd work and whittling. Only simple tools will be used. The models to be made will consist of pencil sharpener, small cart, kite, doll furniture, etc.

Text-book: Elementary Sloyd and Whittling.—*Larsson*.

SECOND YEAR

The Second Year Trade class will do advanced sloyd work, which consists of making various articles useful about the home, such as match box and strike combined, whisk broom holder, shelf, bread-cutting board, tooth brush shelf, towel rack, book rack, key rack, picture frames, etc.

Text-book: Educational Wood Working for Home and School—*Park*.

THIRD YEAR

In the Third Year Trade class the student is given exercises in planing, squaring, gauging, sawing, laying off lines and dimensions. The different joints of carpentry are made.

FOURTH YEAR

In the Fourth Year Trade class the student makes practical applications of the first, second and third years' work by making articles of furniture and doing simple building.

FRESHMAN

The Freshman class will do exercises in house framing, laying floors, weatherboarding and general carpentry.

SOPHOMORE

The Sophomore class will continue framing and general carpentry. Exercises in roof construction and putting up cornice will be given.

JUNIOR

Junior class will do stair building and special work in roof construction in addition to practice on woodworking machinery, wood carving and turning.

SENIOR

During the Senior year the student takes advanced work in carpentry, pattern making, cabinet making, shop management and building supervision.

II.—HAND WOOD TURNING COURSE. Mr. Fisher.

The work of this course consists of lathe practice and lectures on the handling of the machines and the use and care of the tools employed. Correct design and accurate execution will be required.

FIRST YEAR

The work of the first year includes simple cylindrical and taper turning and practice in turning beaded work balusters and small columns.

SECOND YEAR

The second year class will do advanced work in face plate and spindle turning as represented by cups, trays, rosettes, baseball bats, etc.

THIRD YEAR

The third class will make practical application of the first and second year's work.

III.—MACHINE WOODWORKING. Mr. Fisher.

Instruction and short lectures pertaining to the handling of machines; names, parts and care of the same. Special instruction will be given on variety saw, mitering, dadoing, the use of the ripping fence and cutting off work to desired lengths. Practical instruction on variety lathe turning chain spindles, mallets, knobs, and variety turnings, also practice in band sawing, jointing and surfacing.

During the course students will be given practical instruction in belt lacing, splicing belts, and a practical course in millwrighting is given in connection with the work.

There will be grinding and setting up machines for the various kinds of turnings as the student advances in this line of work.



BROOM SHOP

IV.—BLACKSMITHING AND WHEELWRIGHTING. Mr. Foster.

The regular course in blacksmithing consists of all kinds of welds, repairing wagons, buggies, and farm machinery; special stress is laid on horseshoeing. Wheelwrighting or the making of spokes, hubs, rims, axles, etc., building wagons and buggies also forms a part of the course.

FIRST YEAR

During the first year the care of fire, the use of hammer and care of the tools, making staples, hooks, rings and chains are taught, and lessons from blue prints numbers 1 to 12 are given.

SECOND YEAR

In the second year drawing out tools and tempering and making corner welds, butt welds, tie welds, different heats for proper iron and steel welds are taught. Lessons are taken from blue print numbers 12 to 24.

THIRD YEAR

Banding, strapping, twisting, upsetting, bolt making, thread cutting, and general tool making make up this year's work. Lessons are from blue prints numbers 24 to 36.

FOURTH YEAR

Wagon building, cutting and welding tires, welding buggy axles, shoeing horses, forging tools and tempering steel complete the course.

V.—BRICKLAYING AND PLASTERING. Mr. Watkins.

The course in Bricklaying is designed to cover four years. Each student is given practical instruction in house building, chimney and flue construction, concrete construction, plastering and kalsomining work.

FIRST YEAR

Names and use of tools, making and spreading mortar, construction of plain 4 and 9-inch walls; general helpers.

SECOND YEAR

Plumbing and painting exercises; laying to line; scaffold building; instruction in bonding; use of hair and commercial cements.

THIRD YEAR

Corner work or raising leads; line work with plain arches; window and door setting; pier construction; lathing; rough plastering; kalsomining; rough concreting.

FOURTH YEAR

Line work for speed and neatness; various bonded arches; construction of flues and chimneys; finish concrete and plastering work; simple pressed brick exercises; superintending work.

Regular periods and talks are devoted to working drawings, materials, formulas, technical problems, estimates, etc.

Advanced work for students who have covered the regular four-year course.

Repair work and supervision; shop management; review of intricate exercises; white coating; pressed brick work; house planning; blue print work; estimates and contracting; study of building law.

VI.—BROOM MAKING.

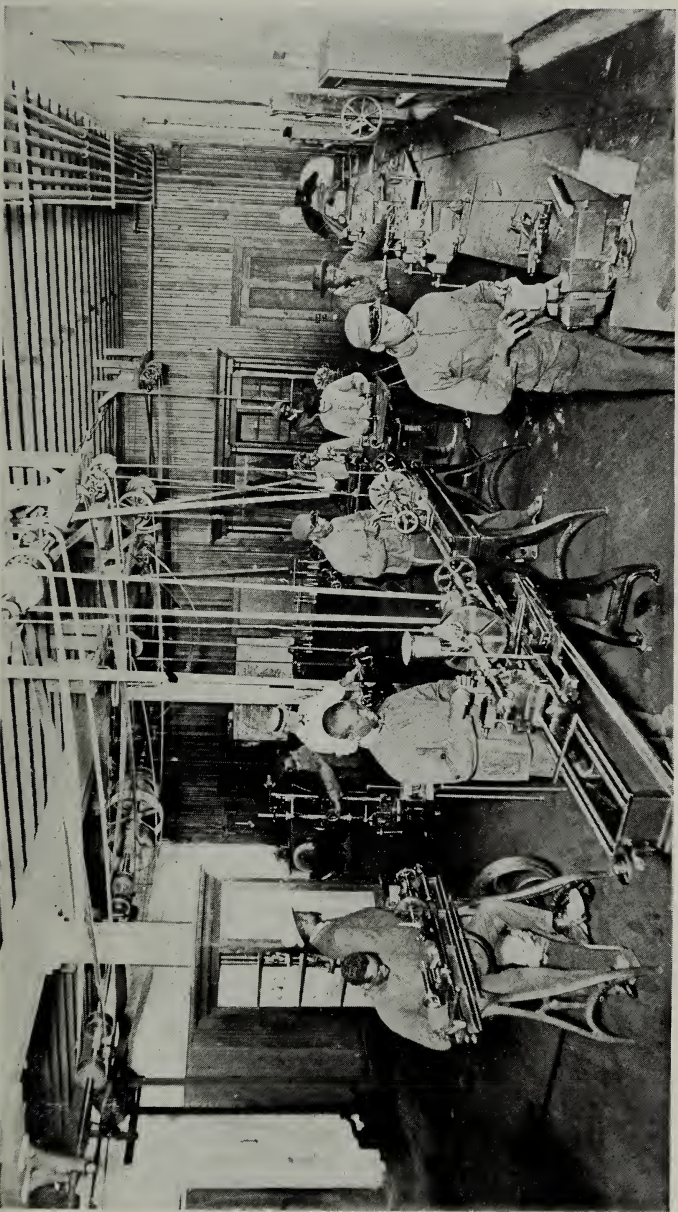
The course in broom making is outlined as follows:

FIRST YEAR

The student first learns to separate the broom corn into insides and hurl and to grade the insides and hurl for the several classes and grades of brooms. Sizing, cutting, bursting and dyeing are also taught during this year.

SECOND YEAR

Sewing and bunching brooms and the making of brooms, whisks and toy brooms is the work of this year together with a study of the business side of the trade.



MACHINE SHOP

VII.—MACHINE SHOP PRACTICE. Mr. Campbell.

FIRST YEAR

A part of the first year is spent in the blacksmith shop. There the student learns to forge and temper his tools and to work steel and wrought iron under the hammer. When the student comes into the machine shop he must bring with him two chisels and four lathe tools of his own forging.

SECOND YEAR

Practically the entire second year is taken up with bench work—chipping and filing to size different exercises as called for by the blue prints furnished. The chief aim is to attain accuracy in modeling and finishing work with hand tools. During the spring term straight turning in cast iron is begun.

THIRD YEAR

In the third year instruction is given in turning and boring the different metals used in machine construction—gear cutting; drilling; planning and laying out work.

FOURTH YEAR

During the fourth year the student, either alone or in conjunction with his classmates, builds some machine of practical use.

All work turned out by the students must pass a rigid inspection before being accepted.

VIII.—LIGHTING AND PLUMBING. Mr. Byarm.

The course in lighting is designed to familiarize the student with electricity and its uses and to give the student a fair knowledge of wiring buildings and operating generators and motors.

The course in plumbing is taught so that the student may become familiar with the elements of sanitary engineering. Practical work in plumbing is given by installing fixtures and repairing the water supply and sewerage systems in the College buildings and on the campus.

ACADEMIC DEPARTMENT

JAMES B. DUDLEY, President.

S. B. JONES, Director and Instructor in English and Physiology.

F. D. BLUFORD, Assistant in English.

D. K. CHERRY, Instructor in Mathematics.

R. L. PAGE, Instructor in History and Geography.

D. J. JORDAN, in charge of Teachers' Training Course and Supervisor of the Night School.

DESCRIPTION OF COURSES

ENGLISH

The purpose of the course in English is to teach students to speak correctly, read with ease and intelligence, and to express their thoughts accurately and idiomatically in writing. For this reason oral composition figures largely in the course. Reading is carried through the four years. Especial emphasis is placed upon letter writing and short essays.

The work of the classes is arranged as follows:

FRESHMAN

F. D. Bluford, Instructor.

The work in Composition and Rhetoric is conducted by means of class room exercises, written work, and consultations.

Fall Term—Narrative writing; two themes each week; a story of considerable length at the end of the term.

Winter Term—Expository writing; two themes each week; a term essay.

Spring Term—Argumentative writing; two themes each week; a term essay; a prescribed course in reading supplements the work of each term.

Texts: The New Composition and Rhetoric, Scott and Denney; Webster's Secondary School Dictionary.

SOPHOMORE

F. D. Bluford, Instructor.

This course is designed to give the student an outline of the formation of the English language and of the rise and development of American and English Literature. Readings in the more important authors are assigned, and weekly themes are required both on literary subjects and on subjects connected with the work in agriculture and mechanic arts.

Text: Long's English Literature.

JUNIOR

S. B. Jones, Instructor.

Fall Term—Readings in English authors are continued.

Winter Term—Advanced Argumentation and Debating. The course is intended to enable students to present their ideas in a clear, forcible, logical and persuasive manner.

Spring Term—Advanced Argumentation (completed).

Text: Baker and Huntington's Principles of Argumentation.

SENIOR

S. B. Jones, Instructor.

The work in the Senior year will be directed to practical English, such as the writing of essays on agricultural and mechanical subjects; preparation of addresses for farmers' meetings; briefs for debates; public speaking; interpretation of statistics relating to the Negro in Census Bulletins; reading of model addresses and articles in the best current journals.

MODERN HISTORY AND ECONOMICS

MODERN HISTORY. D. J. Jordan, Instructor.

Fall Term—Rise of the Germanic peoples. The effect of the Crusades on arts, science and commerce. Influence of Christianity in shaping the civilization of the Middle Ages. Current Events.

Winter Term—The Reformation in Europe. The period of absolute monarchy. The rise of democracy and the French and American Revolutions. Expansion of modern nations with special reference to the expansion of the United States. Current Events.

Spring Term—General Review. Current Events.

Text-book: *West's Modern History*.

SENIOR

ECONOMICS. S. B. JONES, Instructor.

Winter Term—The scope of the science of economics. The principles of economics as applied to land, labor and capital. The economy of spending and saving; organization of production; meaning of value. Money, credit and banking. Distribution of the products of economic effort—wages and profits. Public finance.

Text-book: *Ely-Wicker's Principles of Economics*.

MATHEMATICS

MATHEMATICS. D. K. CHERRY, Instructor.

The technical student, whether agricultural or mechanical, must have a thorough grounding in the principles of mathematics. He is constantly called upon to make estimates and computations, and research and investigations; all of which are founded, more or less, upon the principles of mathematics; and so the courses here are designed to equip the student with this necessary mental machinery, and at the same time to broaden his horizon and his grasp. Everything is as practical as possible. Every new principle is given immediate application, as far as is possible, in a college setting, and in all departments students are required to bring in of their own manufacture original problems and exercises supplementary to those in the text-books.

FRESHMAN CLASS

ALGEBRA. D. K. Cherry, Instructor.

Fall Term—Powers and roots. Laws of exponents. Binomial theorem. Fractional exponents. Processes with radicals. Equations.

Winter Term—Quadratic equations, with problems involving the same. Simultaneous quadratic equations with problems and graphic solutions.

Spring Term—Further study of the laws of exponents, cube roots, arithmetical and geometrical progressions; logarithms.

Text-book: *Wentworth and Smith's Academic Algebra*.

SOPHOMORE YEAR

PLANE GEOMETRY. D. K. Cherry, Instructor.

Fall Term—Geometric conceptions and magnitudes. Elementary principles. The geometry of rectilinear figures with constructions, applications, and exercises. Book I.

Winter Term—The geometry of the circle, followed by the geometry of similar polygons. Special attention will be given to constructions and applications. Books II. and III.

Spring Term—The geometry of areas. Neighboring fields and plots will be measured, drawn to scale, and their areas computed. The geometry of regular polygons will follow, together with measurement of the circumference and of the circle.

Text-book: *Hart and Feldman's Plane and Solid Geometry*.

JUNIOR YEAR.

SOLID GEOMETRY AND TRIGONOMETRY. F. C. Johnson, Instr.

Fall Term—Lines and planes in space. The geometry of the pyramid, cone, sphere, etc.

Winter Term—Trigonometry. Scope and practical applications of trigonometry. Functions of angles. Logarithms. Solution of right triangles.

Spring Term—The oblique triangle. Areas of triangles. Practical applications.

Text-books: *Wilczynski's Trigonometry*.

SENIOR YEAR.

SURVEYING. F. C. Johnson, Instructor.

Fall Term—Study is made of the use and care of instruments. Practical problems are worked out in the classroom and given immediate application. Copies of deeds are secured from which surveys are made. Practice is given in stadia measurements, and topographical drawings are made of plots and fields in the vicinity of the school.

Text-books: *Wilczynski's Trigonometry*.

TRADE SCHOOL COURSE

FIRST YEAR TRADE.

NEGRO HISTORY. D. J. Jordan, Instructor.

Fall Term—Studies in Negro Biography.

Winter Term—Studies in Negro Biography.

Spring Term—Education and national progress at the present time. Studies in Negro Biography.

FIRST YEAR TRADE.

ENGLISH. F. D. Bluford, Instructor.

Language work is begun; the student is taught to express simple ideas gathered from his own experience in the various industries of the college or suggested by stories and pictures. Special attention will be given to the elementary principles of Grammar, such as the use of capitals, punctuation, abbreviations, simple paragraphing and letter writing. In the Spring term short themes on the students' trade work will be required.

Text-book: *Emerson and Bender, Book One*.

FIRST YEAR TRADE.

READING. R. L. Page, Instructor.

The aim of this course is to train the discriminating power,

express activity, strengthen the moral sentiment and memory, and establish the capacity for intelligent, fluent reading in the student. Great pains are taken to secure alluring and instructive reading without sacrificing simplicity of thought and expression.

Text-books: *Baker-Carpenter Series*.

FIRST YEAR TRADE.

GEOGRAPHY. R. L. Page, Instructor.

Fall Term—The first part of the year's work is local and is based on the observation of the student. (a) Direction, distance, color, form; (b) Weather charts.

Winter Term—The work for this and the following term is foreign and depends upon the imagination of the student. It is stimulated by pictures, stories, vivid descriptions and a set of geographical charts recently purchased by the college. (a) Conception of the world as a whole; (b) Different types of people; (c) Imaginary excursions.

Spring Term—Local occupations.

Text-book: *Dodge's Primary Geography*.

FIRST YEAR TRADE.

ARITHMETIC. D. J. Jordan, Instructor.

Fall Term—Review of the four fundamental operations with numbers consisting of as many as eight figures. Cancellation. Reading, writing, and reduction of simple fractions. Addition and subtraction of fractions.

Winter Term—Review of all previous work; multiplication and division of fractions; miscellaneous practical problems illustrating the use of principles learned; reduction of complex fractions.

Spring Term—Thorough review of the work of the fall and winter terms; fractional relations; aliquot parts of 100.

Text-books: *Noble and Stevens' Primary Arithmetic*; *Milne's Arithmetic, Book II*.

FIRST YEAR TRADE.

MUSIC. R. L. Page, Instructor.

Fall Term—Study of the simple rudiments of music, such as the staff, the notes, the rests. Rote singing for the voice and ear.

Winter Term—Practice in the writing of notes and signs. Begin a study of the keys and reading. Elementary sight singing.

Spring Term—How to sing in the key of "C." Study of simple melodies in the easy keys. Sight singing and ear training.

SECOND YEAR TRADE.

ENGLISH. F. D. Bluford, Instructor.

The study of formal grammar is begun. Special mention is given to the formation and application of rules and definitions concerning the grammatical structure of the sentence. Study of analysis and inflection is emphasized and the special rules for the use of the various cases are studied and applied. Careful attention is given to the development of the paragraph, and the rules and convention governing the various forms of correspondence will be emphasized.

Text-book: *Emerson & Bender—Modern English, Book II.*

SECOND YEAR TRADE.

NEGRO HISTORY. D. J. Jordan, Instructor.

Fall Term—The Negro in Ancient History.

Winter Term—Contact of the Negro with western civilization.

Spring Term—Education and national progress at the present time.

Text-book: *Brawley—History of the Negro.*

SECOND YEAR TRADE.

GEOGRAPHY. R. L. Page, Instructor.

Fall Term—Principles of geography. Geography of the United States, Dominion of Canada, Mexico.

Winter Term—Trade and navigation. South America, Europe, Asia, Africa.

Spring Term—Australia, Philippine Islands, Oceania. General Review.

Text-book: *Dodge's Comparative Geography*.

SECOND YEAR TRADE.

ARITHMETIC. D. K. Cherry, Instructor.

Fall Term—Careful review of both common and decimal fractions. Denominate numbers. Percentage.

Winter Term—Review problems in industries. Measures and equivalents, with numerous exercises and applications.

Spring Term—Percentage. Profit and loss. Commission. Discount. Interest. General review.

Text-book: *Milne's Arithmetic, Book II., Part II.*

SECOND YEAR TRADE.

READING. R. L. Page, Instructor.

The aim of this course is to train the discriminating power, express activity, strengthen the moral sentiment and memory, and establish the capacity for intelligent, fluent reading in the student. Great pains are taken to secure alluring and instructive reading without sacrificing simplicity of thought and expression.

Text books: *Baker-Carpenter Series*.

SECOND YEAR TRADE.

FREEHAND DRAWING. R. L. Page, Instructor.

Fall Term—Autumn leaves, branches, trees. Pencil painting. Calendar making.

Winter Term—Story illustration. Construction work.

Spring Term—Budding twigs; flower painting; landscape.

SECOND YEAR TRADE.

MUSIC. R. L. Page, Instructor.

Fall Term—Physiological construction of the singing ap-

paratus and the functions of the different parts. Written and drawn work. Study of the keys of "C" and "G."

Winter Term—Unison singing of simple melodies. Study of the keys of "C," "G," "D," "A." Sight singing and reading exercises.

Spring Term—Duet singing from sight work. Study of the tone work in voice production.

THIRD YEAR TRADE.

ENGLISH. F. D. Bluford, Instructor.

Fall Term—Review of the parts of speech. The study of the sentence. Oral and written composition.

Winter Term—Composition continued. Analysis and diagramming of sentences. Letter writing.

Spring Term—Letter writing and composition continued. Parsing.

Text-book: *Emerson and Bender's Modern English Book II.*

THIRD YEAR TRADE.

UNITED STATES HISTORY. D. J. Jordan, Instructor.

Fall Term—Period of Discovery; settlement of the thirteen Colonies.

Winter Term—Period of Revolution and making of Republic.

Spring Term—War of Secession. Reconstruction.

Text-book: *Chandler's Our Republic.*

THIRD YEAR TRADE

PHYSICAL GEOGRAPHY. R. L. Page, Instructor.

Fall Term—The earth as a globe. The atmosphere. The ocean. Shore lines.

Winter Term—The land; planes and plateaus; mountains; volcanoes.

Spring Term—River valleys; glaciers and deserts; distribution of plants, animals and man.

Text-book: *Davies' Physical Geography.*

THIRD YEAR TRADE

PHYSIOLOGY AND HYGIENE. S. B. Jones, Instructor.

The aim of this course is to teach the student to understand the elementary functions of the body so that he may apply this knowledge to the practical safeguarding of his own health and that of his community.

Fall Term—The physiology of bone, muscle, foods, and digestion.

Winter Term—The physiology of the circulation, respiration, skin and nervous system.

Spring Term—Elementary hygiene. Bacteria and their relation to man. Preventable diseases. Personal hygiene. The sanitation of the home.

Text-books: *Lippincott's Physiology Book III.*; *Ritchie's Primer of Sanitation.*

THIRD YEAR TRADE

FREEHAND DRAWING. R. L. Page, Instructor.

Fall Term—Autumn growths—grasses, weeds, sedges, seed pods; landscapes; perspective.

Winter Term—Decorative treatment—treatment that does not seek to express fact or reality, but aims to express arrangement of lines, masses, or color whether from natural or abstract motives in accordances with the principles of design. Book designs, stencil designs, programme designs, portfolios.

Spring Term—Spring flowers; animal drawing; still life drawing.

THIRD YEAR TRADE

ARITHMETIC. D. K. Cherry, Instructor.

Fall Term—Thorough review of fractions. Special attention to complex fractions. Analysis by equations. Denominate numbers.

Winter Term—Percentage and all its applications. Interest, with special methods of solution.

Spring Term—Mensuration. Special attention to computation of areas. Powers and roots. General review.

Text-book: *Milne's Arithmetic, Book III.*

THIRD YEAR TRADE

MUSIC. R. L. Page, Instructor.

Fall Term—Study of and sight reading in the keys of "C," "F," "Bb," "Eb," "Ab," "Db." Singing and reading exercises.

Winter Term—Singing and reading exercises and tone work.

Spring Term—Sight singing in the various keys studied. Quartette and chorus work.

FOURTH YEAR TRADE

ENGLISH. D. J. Jordan, Instructor.

Fall Term—Review of English Grammar; Paragraph writing; description and narration; three short themes a week.

Winter Term—The work of the Fall term is continued in the Winter term.

Spring Term—Descriptive and narrative writing; attention will be given to the short story; three themes a week; a prescribed course in reading supplements the work.

Text: *The New Composition and Rhetoric, Scott and Denney; Webster's Secondary School Dictionary.*

FOURTH YEAR TRADE

CIVICS. D. J. Jordan, Instructor.

"The ideal citizen is the man who believes that all men are brothers, and that the nation is merely an extension of his family, to be loved, respected and cared for accordingly."—Haberton.

The chief aim of the instruction in civics is to train the student for intelligent and conscientious participation in civic activities.

The pupils are urged to watch the daily newspapers for items of practical interest. A record of these items and their own observations is kept in a note-book and furnishes concrete illustration to the general descriptions of the text-book.

The student is encouraged to visit charitable, penal and edu-

cational institutions, established and maintained by the commonwealth in order that he may more thoroughly understand the responsibilities and obligations devolving upon the citizen.

Fall Term—Fundamental principles of civil government. Formation of the government of North Carolina.

Winter Term—Study of the government of North Carolina in operation.

Spring Term—Qualifications, rights and duties and responsibilities of citizenship.

Text-book: *Peele's Civil Government*.

FOURTH YEAR TRADE

FREEHAND DRAWING. R. L. Page, Instructor.

Fall Term—Expressing simple forms by lines. Study of the position and proportion of figures. Pictorial work. Especial attention is given to characteristic sketches for each month.

Winter Term—Pictorial work continued. Design; decorative and constructive design.

Spring Term—Pictorial work continued. Out-of-door study; pencil and water color work. Plant study.

FOURTH YEAR TRADE

ALGEBRA. D. K. Cherry, Instructor.

Fall Term—Algebraic thought and language. The simple equation in common formulas. Negative numbers. Parentheses. Formal addition, subtraction, multiplication and division, with equations involving the same.

Winter Term—Problems in equations. Special products and quotients. Factoring, addition, subtraction, multiplication and division of fractions.

Spring Term—Simple practical equations. Ratio and proportion. Simultaneous linear equations. Graphs of linear equations.

Text-book: *Wentworth and Smith's Academic Algebra*.

MUSIC. R. L. Page, Instructor.

Fall Term—General review of the major keys, sight singing, written work.

Winter Term—Duet, quartette and chorus work. Individual work before the class.

Spring Term—General review of the Trades School work, making drawings of the vocal organs and drawing of musical features. Sight singing and tone work.

FOURTH YEAR TRADE

BOOKKEEPING. F. C. Johnson, Instructor.

Fall Term—Double Entry—Study of Debits and Credits, Study of the various accounts, Capital, Cash, Merchandise, Personal, Profit and Loss, Journal, Ledger and Trial Balance Books, Balancing and Closing of Accounts. Commercial Correspondence—Study of Business Papers and Letters, Modes and Forms of Expressions, Instruction as to Filing Letters and Papers.

Winter Term—Posting, Ruling, Balance Sheet, Passbook, Writing Checks, Closing Ledger, Partnership, Exercises in Commercial Correspondence.

Spring Term—Closing out of a Business. Resources and Liabilities, Commercial Law and Business Papers. Contracts—Construction, Arrangements, Essential Elements, Persons Competent to Make Contracts. Partnership—Advantages and Disadvantages, Rights, Duties. Corporations—Powers and Liabilities, Advantages, Formation, Laws Governing Them. Agency—How Created; Principal—His Duties, Rights and Liabilities; Agent—His Duties, Rights and Liabilities. Negotiable Papers—Notes, Bonds, Money Orders, Drafts, Endorsements, Protest, Duties of Holder. Legal Papers—Deeds, Deeds of Trust, Mortgages, General Principles governing same.

Text-book for Bookkeeping: *The Twentieth Century Book-keeping and Office Practice*. J. W. Baker, Knoxville, Tenn. *Practical Law*. Ellis Publishing Co.

FOURTH YEAR TRADE.

ANCIENT HISTORY. S. B. Jones, Instructor.

Fall Term—Ancient History—contributions to modern civilization of Egyptians, Assyrians and Babylonians, Hebrews and Phoenicians.

Winter Term—The story of the Greek people. How they saved Europe to democracy. Influence of Greek civilization upon the life of modern nations.

Fall Term—The rise of Rome. Influence of Rome on the modern world.

Text-book: *West's Ancient History*.

MUSIC

R. L. PAGE, Director

The work in music is a practical study beginning with the rudimentary elements and moving progressively through the course as outlined in the New England Music Course. This work, however, is supplemented by much work of value to the students. The A. and T. College Choral Club is an organization for the study and rendition of musical works and gives very excellent opportunity for practice and study.

The A. and T. College Band affords opportunity for those wishing to be actively engaged in the study of the wind instruments, while the orchestra appeals to those interested in the study of the stringed instruments. Young men wishing to join any of these organizations must be at the school and ready for work as soon as possible in the early part of the Fall term, as the band and orchestra cannot accept performers after this time unless by special arrangement.

Those contemplating buying orchestral or band instruments with the intention of joining the band or orchestra should consult the instructor before doing so. All members of the band must be uniformed.

Those wishing to make a special study of the piano, or voice will be given opportunity to do so at small cost.

NIGHT SCHOOL

D. J. JORDAN, Supervisor

In order to extend the usefulness of this institution as far as possible among young men who are without means or friends to assist them, a night school will be conducted that will permit students to work during the day and attend school at night. While the opportunities for advancement in the night school will not be equal to those of the day school, the best that the conditions will permit will be given, and students attending the night school may eventually arrange to enter the day school. Courses completed in the night school receive the same credit as if completed in the day school.

It is especially desirous that the young men of the city who are employed during the day will avail themselves of this opportunity.

To enter the night school, the applicant should be sixteen years of age, and he should first secure work. This may be done by sending written application immediately to The President, A. & T. College, Greensboro, N. C.

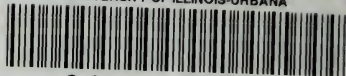
TEXT-BOOKS USED IN AGRICULTURAL AND TECHNICAL COLLEGE

First Year Trade School Class

Emerson and Bender's English, Book I, 40 cents; Milne's Progressive Arithmetic, Book II, 36 cents; Noble and Steven's Practical Arithmetic, 40 cents; Dodge's Primary Geography, 45 cents; Baker-Carpenter's Language Reader Book IV., 36 cents; Merrill's Speller, Book I, 20 cents; New Educational Music Course (Ginn), First Reader, 30 cents.

Second Year Trade School Class

Dodge's Comparative Geography, 90 cents; Negro History, Brawley, \$1.00; Emerson and Bender's English, Book II, 60 cents; Merrill's Speller, Book I, 20 cents; Ginn's New Educational Music Course, Book I, 50 cents; Baker-Carpenter's Language Reader, Book V, 36 cents; Milne's Progressive Arithmetic, 36 cents; Bergen's Practical Botany, \$1.50; Farm Arithmetic, \$1.00; Elementary Sloyd and Whittling, 75 cents.



College Song

(BY MRS. JAMES B. DUDLEY)

Dear A. & T., dear A. & T.,
A monument indeed
Around thy base with grateful hearts
Behold thy students kneel.
We bless the power that gave thee birth
To help us in our need;
We'll ever strive while here on earth
All loyalty to yield!

(CHORUS)

With joy, with joy, dear A. & T.,
Thy students turn from thee
To spread thy trophies year by year,
From Dare to Cherokee.

Dear A. & T., dear A. & T.,
The signet thou shalt be,
Set by our great, old commonwealth,
Proud boaster of the free,
She'd have the record of her worth
On granite not inscribed;
Nay; let the children of her birth
Proclaim it by their lives.

Dear A. & T., dear A. & T.,
Henceforth our aim shall be,
By precepts wise, by deeds more sure,
To bless the State through thee.
The arts of industry to wield
Against an idle foe;
A harvest rich, from ripened fields
Of what thy students sow.